

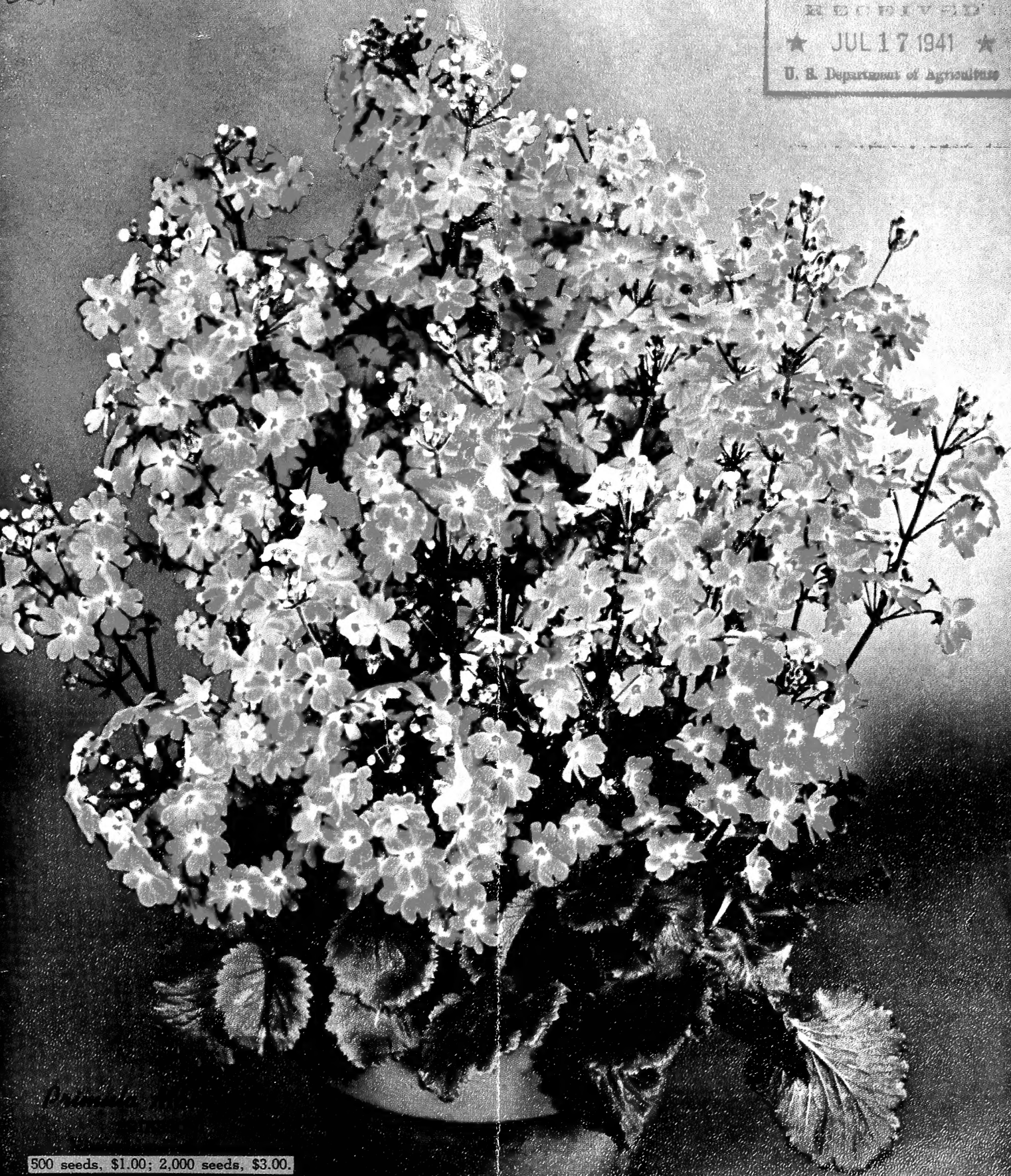
## Historic, archived document

Do not assume content reflects current  
scientific knowledge, policies, or practices.



62,23.

LIBRARY  
RECEIVED  
★ JUL 17 1941 ★  
U. S. Department of Agriculture



500 seeds, \$1.00; 2,000 seeds, \$3.00.

**Vaughan's** MID-SUMMER OFFER *June 1941*  
CHICAGO, 601 W. JACKSON BLVD. — NEW YORK, 47 BARCLAY ST.

# "SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties. They are much used for outside growing as well.

## SPECIAL OFFER—WHERE PRICE IS:

\$1.00 per pkt., we supply any 3 for \$2.50; any 5 for \$3.50; any 7 for \$4.55  
 \$1.50 per pkt., we supply any 3 for \$4.00; any 5 for \$6.50  
 \$2.00 per pkt., we supply any 3 for \$5.00; any 5 for \$7.50

NOTE: Combination prices apply to orders for one or more varieties.

Varieties preceded by a star (\*) are best for early winter flowering.

Varieties followed by a cross (X) we can supply in ½ trade pkts. at 60c each.

## NEW INTRODUCTIONS

- America** (Hodaly). Brilliant rose pink with orange lip, blending into pure lemon; one of the most remarkable color combinations seen in Snapdragons. The flower heads are sixteen to twenty-five inches long, carrying well set, large florets; medium foliage. A real winter bloomer, with uniform flowering period. Awarded first prize at the Chicago Flower Show of 1941. .... Trade \$1.50  
 pkt.
- Early Westover's Fringed White** (Windmiller). An early development of Westover's Fringed White—carrying the superb Westover qualities down to the first earlies—an ideal Wedding Bouquet White—good early or late; strong grower, productive and always hard stemmed. .... 2.00
- Koester's White**. It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers. Outstanding introduction that we feel confident will prove a most valuable and profitable florist variety. .... 2.00
- Mary Ellen** (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets. .... 2.00
- Radiance** (Windmiller). Lovely deep pink, earlier, deeper colored, more attractive and better stem than the original. Excellent keeping qualities and great uniformity. Average height 30 inches. Termed by some florists as "The Gladiolus Flowered Snapdragon". .... 1.50
- Schaffroth's Pink**. A beautiful soft rose pink. Early flowering, starting in early December and coming in full bloom at Christmas and will cut all through January. May be grown as a second crop which will be in fine flower for Mother's Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop. Received a Silver Medal at the New York Florist Club meeting, spring 1940.. 3 trade pkts., \$5.00 2.00

## BRONZE SHADES

- \*Afterglow**. Golden bronze X. Better than New Dawn. .... 1.00
- \*Early Glorious** (Windmiller). A highly attractive deep bronze shaded scarlet with closely set spikes. Fine for Valentine Day Sales. .... 1.50
- Ideal** (Hodaly). Color, a blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Good grower, strong stiff stem, well supplied with heavy luxuriant foliage. Large flowers, well formed heads. Winter-flowering strain, blooming in four months from seed. .... 3 trade pkts. for \$4.00 1.50
- Kirkwood Beauty**. Bronze with a cast of gold—a striking color. .... 1.00
- \*Miss Wooster**. The color is a dazzling rich dark bronze. Early blooming, the heads of blooms are very large and compact. It is an ideal shipping variety. .... 1.00
- \*New Deal**. Very early, fragrant, golden bronze. .... 1.00
- Roman Gold**. A deep golden yellow with a lip a lighter yellow X. .... 1.00
- \*Sunlight**. Improved New Deal, finest early golden bronze. .... 1.00
- \*Suntan**. Rose shade of tan with tinge of yellow on lip X. .... 1.00
- Talisman** (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination with other flowers. .... 2.00

## LAVENDER

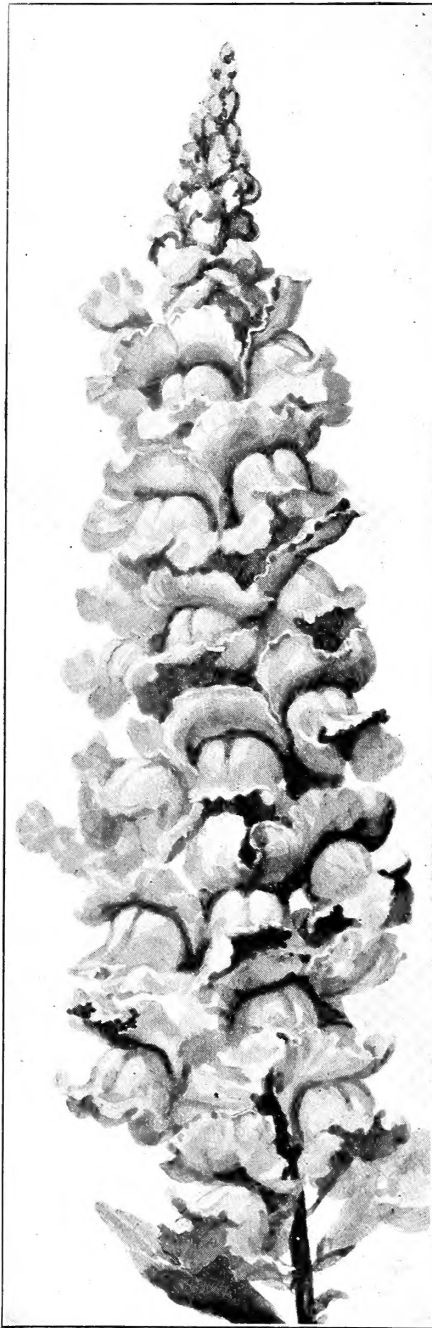
- Bertha Baur**. Standard lavender. .... 1.00
- Schrock's Orchid**. True orchid color with exceptionally long and beautiful spikes. Spring flowering. .... 1.00
- \*Schumann's Lavender**. A true color, produces a strong sturdy stem with a spike of large moderately close flowers. An early variety that will not shatter. .... 2.00
- Windmiller's Lilac**. Excellent orchid, true to type and color, early, hardy wiry stems, small foliage, productive. Has made good far and wide. Certificate New York Florists Club, February 12, 1940. .... 1.50

## PINK AND ROSE SHADES

- Cheviot Supreme Appleblossom** (Windmiller). In color it Trade resembles Verbena Mayflower. In late spring the color deepens to salmon-rose. Best in February. Does not shatter \$1.00  
 pkt.
- Cheviot Maid Supreme**. Deep rose-pink X. .... 1.00
- \*Christmas Cheer**. (Windmiller). Conceded the best early pink. Easy to grow, sure to bloom, pleasing color. Sow in June for Christmas crop. .... 2.00
- Daybreak**. Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer. .... 1.00
- \*Gilbert's Pink Queen Supreme**. This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads. .... 1.50
- La France** (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem. .... 1.50
- Marie Louise** (Raasch). Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set. .... 2.00
- Milady**. Good early rose pink. .... 1.00
- \*New Cincinnati**. The finest light rose. .... 1.00

## This List Cancels All Previous Offers

Cash Discounts on Flower Seeds: On all orders for flower seeds, except Cyclamen seed which is net, totaling less than \$25.00 5%, and over \$25.00; 8% may be deducted if cash is enclosed.



HODALY'S IDEAL

VAUGHAN'S SEED STORE, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

601 West Jackson Boulevard, CHICAGO

47 Barclay Street, NEW YORK



**ANTIRRHINUM—Pink and Rose Shades—Continued.**

	Trade pkt.
* <b>Peggy Schumann</b> (Schumann). A medium pink, a large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots. ....	\$2.00
* <b>Rose-Pink Cheviot Supreme</b> (Windmiller). Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January. ....	1.50
<b>Rose Queen</b> . Dark pink X. ....	1.00
<b>St. Louis Pink</b> (Rowe). Beautiful shade of flesh pink, the well placed flowers being produced on wiry stiff stems. A minimum of lateral growths is produced, making it possible to set the plants close together in the beds. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. Spring bloomer. ....	3 trade pkts., \$4.00 1.50
<b>Terry's Surprise, Improved</b> . Pink and bronze shades, late. .	1.00
* <b>Winter Helen</b> . Lovely salmon-pink, early and winter bloomer	1.00

**RED**

<b>Velvet Beauty</b> . Rich American Beauty red in color. ....	1.00
* <b>Velvet Supreme</b> . Warm crimson red selection from Velvet Beauty; a live glowing color in spring. ....	1.50

**WHITE**

<b>Cheviot Maid Pure White</b> . (Yoder). Flowers well placed. .	1.00
* <b>Lucky Strike</b> . Well known pure white, grows three to four feet with full spike of flowers; does not drop or shatter X. .	1.00
<b>Lucky Strike Improved</b> . Earlier than the original. ....	1.50
<b>Marion White</b> (Schumann). A real white, large close flowering spike off a strong, sturdy stem, throwing small foliage	1.50
<b>Snow White</b> (Windmiller). Late white for Easter and Mother's Day. A glorious white for weddings and church decorations. Stately spikes of white on long stems. ....	1.00
<b>Westover's Fringed White</b> . A great favorite in the East. Sow for late crop. ....	1.00
* <b>White Prosperity</b> . A pure white. ....	1.50
* <b>White Wonder</b> . A fine pure white. Free and early. Sow in June for Christmas crop. ....	1.00

**YELLOW**

* <b>Ceylon Court</b> . Dark selection. Canary yellow. Our introduction. ....	1.00
<b>Cheviot Maid, Yellow</b> . (Volz). ....	1.00
<b>Coate's Yellow Perfection</b> . Deep golden yellow. Spring flowering. ....	1.00
* <b>Ethel</b> . Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow and shatterproof. .	1.50
<b>Gorgeous</b> (McFarland). Slightly lighter than Coate's Yellow. Large individual flowers forming spikes 15 to 20 inches long. Excellent for use after Mums. ....	2.00
<b>Klondyke Supreme</b> . Deep intense golden yellow with extra large individual florets, sow early, continuous bloomer. ....	1.50
<b>Schumann's Yellow</b> . ....	2.00
<b>Sunray</b> . Large well placed yellow flowers on strong stems, a good shipper, has no grassy growth. ....	2.00
<b>Yellow Wonder</b> . (Bezdek.) Early and free flowering. Has a good stiff stem, a fine commercial variety, and a beautiful yellow shade that strongly appeals to retailers. ....	3 trade pkts., \$4.00 1.50
<b>Greenhouse Varieties Mixed</b> . With pinks predominating. .	.75

**FRED WINDMILLER'S INTRODUCTIONS**

	Tr. pkt.
<b>Cheviot Supreme Appleblossom</b> . ....	\$1.00
* <b>Christmas Cheer</b> . Best early pink. ....	2.00
* <b>Early Glorious</b> . Deep bronze shaded scarlet. ....	1.50
<b>Early Westover's Fringed White</b> . An early development of Westover's Fringed White. ....	2.00
<b>La France</b> . Ruffled satiny pink. ....	1.50
<b>Lilac</b> . Excellent orchid, true to type and color. ....	1.50
<b>Radiance</b> . Lovely deep pink, earlier, deeper colored, more attractive and better stem than the original. .	1.50
* <b>Rose-Pink Cheviot Supreme</b> . ....	1.50
<b>Snow White</b> . Late white for Easter and Mother's Day. ....	1.00
<b>Talisman</b> . Improved strain, all double, bronze, early and continuous, a fancy flower for retail trade. ....	2.00

**Begonia—Fibrous-Rooted**

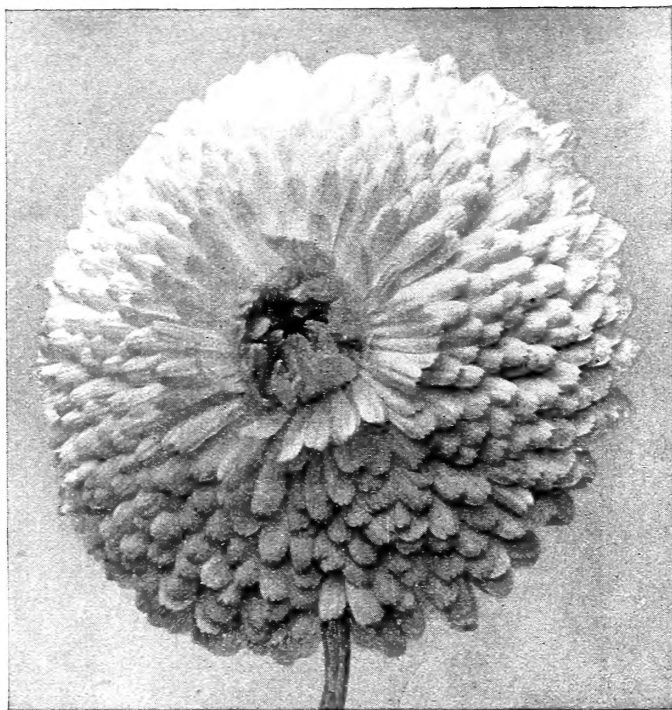
These Begonias make excellent spring flowering plants in small pots or for combination use.

<b>Pink Pearl</b> . Of dwarf, compact habit—6 to 8 inches, high this new Begonia is one of the very best for pot culture. The plants form perfect balls and the flowers are well above the fresh green foliage. .	Trade pkt. Oz. \$1.25
<b>Red Pearl</b> . See King of the Reds nearest substitute. ....	

**BEGONIA, Fibrous-Rooted—Continued.**

Trade pkt. Oz.

<b>Gracilis Adeline</b> (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage. Same color and dwarf habit as Pink Pearl. ....	\$1.00	....
The preceding are excellent summer bloomers.		
<b>Carmen</b> . Bright rose flowers, shining dark foliage. ....	1/64 oz., \$2.00	1.00
<b>Carmen Scarlet</b> . See Indian Maid. The Carmen varieties are very attractive, especially under electric lights, on account of bronze foliage.		
<b>Fireball</b> . Fiery crimson, 10 in. ....		1.00
<b>Gerda Seeger</b> (Heterosis Variety). Compact growth, about 6 in. high, the coloring a strong rose, in fact the darkest of the Dwarf Gracilis type. Very large and free flowering. ....		1.25
<b>Indian Maid</b> (Carmen Scarlet). 10 in. Bright deep scarlet buds and flowers with deep lustrous bronze foliage. ....	1/64 oz., \$2.00	1.00
<b>Luminosa</b> . Deep dark scarlet, foliage reddish brown, a winter bloomer, 10 in. ....	1/32 oz., \$2.40; 1/16 oz., \$4.20	1.00
<b>Dwarf Luminosa</b> . Extra dwarf, scarlet. Fine for pots. 8 in. ....		1.00
<b>Prima Donna</b> . Limpid rose, shading to carmine, most beautiful, 10 to 12 in. ....	1/32 oz., \$2.00	1.00
<b>Radio</b> (Rundfunk). Large flowered, shining, pure carmine-scarlet, green foliage. ....	1/32 oz., \$2.20	1.00
<b>White Pearl</b> . White, 10 in. ....		1.00
<b>Christmas Cheer Red</b> . A very large-flowered variety, color dark crimson-scarlet. ....	1/32 oz., \$3.00	1.00
<b>Christmas Pink</b> . Identical to above variety only the color is a delightful shade of warm rose-pink. ....		1.00
<b>Semperflorens Albert Martin</b> . Bright carmine, very large flowers, 14 in. ....	1/32 oz., \$1.60	.50
<b>Alba</b> . Pure white. ....		.50
<b>Elegance</b> . Bushy habit, medium tall and most free flowering. The individual flowers are large, pink with white center, green foliage. ....		1.00
<b>Enchantress</b> . Fresh rose color. ....		1.00
<b>Erfordia</b> . Pure La France rose. ....	1/32 oz., \$1.50	.50
<b>Fire Sea</b> (Blaze of Fire). Fiery red flowers, green foliage, 8 in. ....	1/32 oz., \$3.00	1.00
<b>G. Knaacke</b> . Glowing salmony pink. ....	1/32 oz., 1.60	.50
<b>Glow</b> . Foliage bronze, Glowing scarlet. ....	1/64 oz., \$1.80	1.00
<b>Ile de France</b> (New). The best white. The foliage is identical to Christmas Cheer, only light green. The flowers are 1 1/4 in. to 1 1/2 in., pure white, with bright yellow stamens. They grow in compact form, not to exceed 12 in. in height and approximately the same width. ....		1.00
<b>Kaethe Teicher</b> . This is the first Giant-Flowered Begonia semperflorens. The single flowers being of the exceptional size of 2 1/2 in. across and more. The plants are compact and of regular growth, about 10 in. high. The strong dark-green foliage forms an effective foil to the pure carmine of the flowers, which appear in rich abundance. ....		1.00
<b>King of the Reds</b> . Very dwarf, glowing scarlet bronze foliage. ....	1/64 oz., \$2.20	1.00
<b>Lightning</b> . Large flowers 2 in. across and deep carmine scarlet, 10 in. ....	1/64 oz., \$1.50	1.00
<b>Little Midget</b> . A remarkably early and willing bloomer. Plants flower freely when only an inch or two in height. Color a pretty dark carmine. .		1.00
<b>Masterpiece</b> . One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage. ....		1.25
<b>Salmon Queen</b> . Large cinnabar red blooms, 12 in. Free flowering dark foliage. ....	1/64 oz., \$1.50	.50
<b>Scandinavia</b> . An outstanding large-flowered pink variety for pots. Plants are of good branching habit. Excellent for winter flowering. ....	1/64 oz., \$2.20	1.00
<b>Winter Romance</b> . Carmine pink flowers, light green foliage. ....	1/64 oz., \$1.50	1.00
<b>Special Mixture of Bedding Begonias</b> . ....	1/32 oz., 1.40	.50



TYPE OF GREENHOUSE CALENDULA

## Aloe Variegata

or "Partridge Breast Aloe," the finest and most favored quick growing succulent with beautifully variegated leaves. Seedlings of 9 to 12 months of age, potted up in Tom Thumb pots, are salable in unlimited quantity. 100 seeds, \$1.25; 1,000 seeds, \$10.00.

## Asparagus

**Plumosus Nanus.** (Lath House grown.) Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 35c; 250 seeds, 60c; 1,000 seeds, \$1.80; 5,000 seeds, \$7.00.

**Sprengeri.** 250 seeds, 35c; 1,000 seeds, \$1.00; 5,000 seeds, \$4.50; oz., 80c; lb., \$8.00.

## Calendula Forcing Varieties

**Sensation, Vaughan's Improved (Campfire).** Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. Trade pkt. Oz. 1/4 oz., 60c \$0.40 2.00

**Ball Apricot.** Light straw or buff color with dark center. 1/4 oz. 60c .40 2.00

**Ball Gold.** Deep golden yellow, long stemmed and large flower with light center. 4 oz. \$6.50 .40 2.00

**Ball Lemon Queen.** Clear medium deep yellow with a dark brown center. lb. \$20.00; 4 oz., \$6.50 .40 2.00

**Ball Improved Long Orange.** Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. Quite outstanding for extra large flowers and long stems. lb., \$20.00; 4 oz., \$6.50. .40 2.00

**Ball Long Orange.** Long-stemmed, bright golden orange, light center. lb., \$20.00 .40 2.00

**Ball Masterpiece.** Extra long-stemmed deep orange with brown center. lb., \$20.00 .40 2.00

**Ball White (Moonlight).** The lightest in color of all the Calendulas, being a beautiful soft cream yellow. A very charming shade. lb. \$20.00 .40 2.00

**Vaughan's Special Mixture for greenhouse forcing.** 1/4 oz., 50c .30 1.50

These above varieties are also admirable for outdoor growing. We made a sowing in our Trial Grounds last summer early in July and had a fine display of flowers all fall even after several frosts.

During warm weather the flowers may single out but will return to full doubles when the weather turns cool.



CANDYTUFT Giant Hyacinth Flowered. Tr. pkt., 20c; oz., 75c; lb., \$7.50.

## Candytuft

**Giant Hyacinth-Flowered. Select, Pure White.** This is a superior strain; it grows about 1 1/2 feet high, with enormous trusses of blooms. The best strain in existence for florists use. Tr. pkt. Oz. 4 oz., \$2.25; lb., \$7.50 \$0.20 \$0.75

**Coronaria Empress.** White. For outdoor planting in the south. lb., \$2.40 .10 .25

**Umbellata Carminea.** Carmine, 12 in. lb., 3.60 .15 .40

**Alba.** White, 12 in. lb., 3.60 .15 .40

**Flesh-Pink** 12 in. lb., 3.60 .15 .40

**Lilacina.** Lilac, 12 in. lb., 3.60 .15 .40

**Purplea.** Crimson, 12 in. lb., 3.60 .15 .40

**Rose Cardinal.** Rose-pink, 12 in. lb., 5.00 .15 .60

**Vaughan's Special.** Mixed. lb., 3.60 .10 .40

## Clarkia Elegans Double

Clarkia should have no more soil than is needed to give proper depth in the flat, less than 3 inches. They can also be grown in 2 1/4-inch pots. They require warm conditions. In a cool house they stand still until temperature warms up.

	Trade pkt.	Oz.
<b>Albatross.</b> Pure white. . . . .	\$0.15	\$0.60
<b>Appleblossom.</b> Delicate pink. . . . .	.15	.50
<b>Chieftain.</b> Mauve. . . . .	.15	.60
<b>Enchantress.</b> Salmon pink. . . . .	.15	.60
<b>Firebrand.</b> Copper scarlet. . . . .	.15	.60
<b>Glorious.</b> Crimson scarlet. . . . .	.15	.60
<b>La France.</b> Pale salmon pink. . . . .	.15	.60
<b>May Blossom.</b> Pure glowing rose. . . . .	.15	.60
<b>Orange King.</b> A good orange. . . . .	.15	.60
<b>Purple Prince.</b> Rich purple. . . . .	.15	.60
<b>Rosy Morn.</b> Rose. Very double. . . . .	.15	.60
<b>Ruby King.</b> Rich ruby purple. . . . .	.15	.60
<b>Queen Mary.</b> Carmine. . . . .	.15	.60
<b>Salmonea Perfecta.</b> True salmon, extra double. . . . .	.15	.60
<b>Scarlet Queen.</b> . . . . .	.15	.60
<b>Vaughan's Special Mixture.</b> . . . . .	.15	.80

Our Trial Grounds, located at Western Springs, Illinois, are open to visitors during the summer and fall and we extend a cordial invitation to all interested in horticulture to visit them. Every variety is plainly marked.

# Vaughan's Calceolarias

These Make Wonderful Plants for Easter or Mother's Day

For Calceolarias, use a mixture of loam, leaf-mold and sharp sand. This mixture is suitable both for the seed pans and the pots into which the seedlings, when ready, should be planted. Perfect drainage is important. Calceolaria seed being very fine the seeding should be done with great care and it is suggested that one use a sheet of white paper on which a tablespoon of white sand is distributed. Then shake the seed on top of this sand and mix thoroughly. Then, sprinkle this mixture on the soil of the seed pan, dusting surface with a little fine sand, cover with a sheet of glass and place in the shade. For moisture, immerse the pans in water. As the seedlings come up lift them carefully when quite small and prick them off into a flat allowing two inches square for each plant. It is important that the leaves of one plant should never be allowed to overlap those of another or decay will probably result. When established in pots shift them into the larger size. At the last shift give them some manure water, not too strong, about once a week.

★**Hybrida Grandiflora Triumph Strain.** An outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage. . . . . Trade pkt. \$1.25

**Hybrida Grandiflora Extra Choice Mixed.** Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties. A mixture of two superior European strains. . . . . 1.00

**Monarch Strain.** An exceptionally fine strain with large flowers and exquisite markings. . . . . 1.00

**Grandiflora. Nana Tigrina. Dwarf mixed.** . . . . . 1.00

**Gilbert's Multiflora Nana.** A selection over a period of years with foliage having more substance flowers slightly smaller than regular multiflora, good color range, first flowers open are still good when last ones open. Plants have natural branching habit making a full bushy plant without the open centers. . . . . 1.00

★**Multiflora Nana Mixed.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make a well shaped bushy plant. . . . . 1.00

**Multiflora Nana Dark Blood Red.** New bright dark velvety red. . . . . 1.50

**Multiflora Nana, Indian Prince.** Rich dark scarlet with orange suffusion. . . . . 1.00

**Multiflora Nana Golden Tiger.** Bright golden yellow flowers with dark brownish red dots, freely produced above the foliage. . . . . 1.00

**Albert Kent's Hybrids.** A very lovely variety for either greenhouse or outdoor culture. The flowers are intermediate in size and produced in large graceful clusters in delicate shades. . . . . 1.00

**Kelway's Perfect Model.** Large heads of very large flowers, which are well rounded and filled out, and of the richest as well as the most delicate colors; most marvelous variety of shades and markings, self, spotted, blotched and striped. . . . . 1.00

**Feltham Glory.** This attractive hybrid has fairly dwarf compact habit and large flowers. The range of color of the numerous flowers includes scarlet; orange, buff, rich brown and golden yellow in self, blotched and spotted forms. . . . . 1.00

**Rugosa Aurea, Golden Rain.** Pure yellow. . . . . 1.25

**Rugosa Major, Mixed, 12 in.** . . . . . 1.00

The Rugosa varieties furnish splendid cut flower material besides being good pot plants. The flowers are much smaller than the Hybrida, are produced in clusters and keep well in water after cutting.

**Flower Cloud.** This is a cross between the C. Rugosa and Grandiflora. Trade pkt. The most free blooming Calceolaria, in all colors. Of a very vigorous growth and resistant against weather influences. Leaves are rather elastic, like those of the Rugosa, making them easy to pack and ship. . . . . \$1.00

## Calceolarias New Choice Varieties

**Golden Charm.** A cross between C. Grandiflora and Rugosa Flower Cloud. A golden-yellow with a rich, fine, reddish tiger dusting. Fully as free-flowering as Flower Cloud. Habit semi-tall, and of healthy habit and foliage. . . . . 1.00

**Tausendschoen.** Also a cross of C. Rugosa and Grandiflora. Of great freedom of bloom and splendid habit. Color of flower rich golden-yellow with beautiful markings of reddish-brown. Award of Merit at the Stuttgart Flower Show. . . . . 1.50

**Scarlet Flame.** Of the same origin as above. An entirely new development of this type. A rich, warm scarlet. Highly recommended. . . . . 1.50

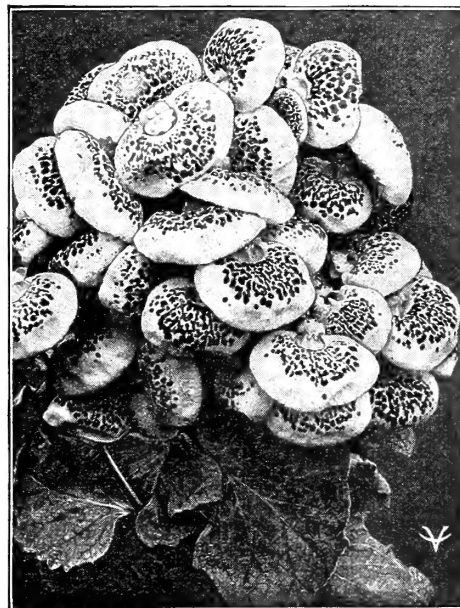
## Super Giant Centaurea Cyanus (Cornflower)

The flowers of these strains are large, fully double and colors intensified.

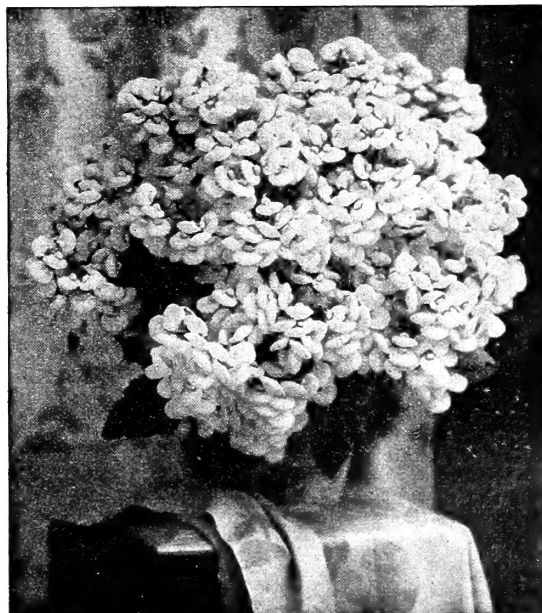
Long stems for cutting.	Trade	pkt.	Oz.
<b>Black Boy.</b> Blackish maroon. . . . .	4 oz.,	\$1.20	\$0.15 \$0.50
<b>Blue Boy.</b> Rich deep blue, very large flowers. . . . .	lb.,	\$4.00; 4 oz.,	\$1.20 .15 .40
<b>Pinkie.</b> Deep pink. . . . .	lb.,	\$4.00; 4 oz.,	\$1.20 .15 .40
<b>Red Boy.</b> Deep red. . . . .	lb.,	\$4.00; 4 oz.,	\$1.20 .15 .40
<b>Snowman.</b> Best white. . . . .	4 oz.,	\$1.20	.15 .40
<b>Vaughan's Mixture of Super Giant.</b>			
New Varieties Mixed. . . . .	4 oz.,	\$1.20	.15 .40



CALCEOLARIA Hybrida Grand. Triumph

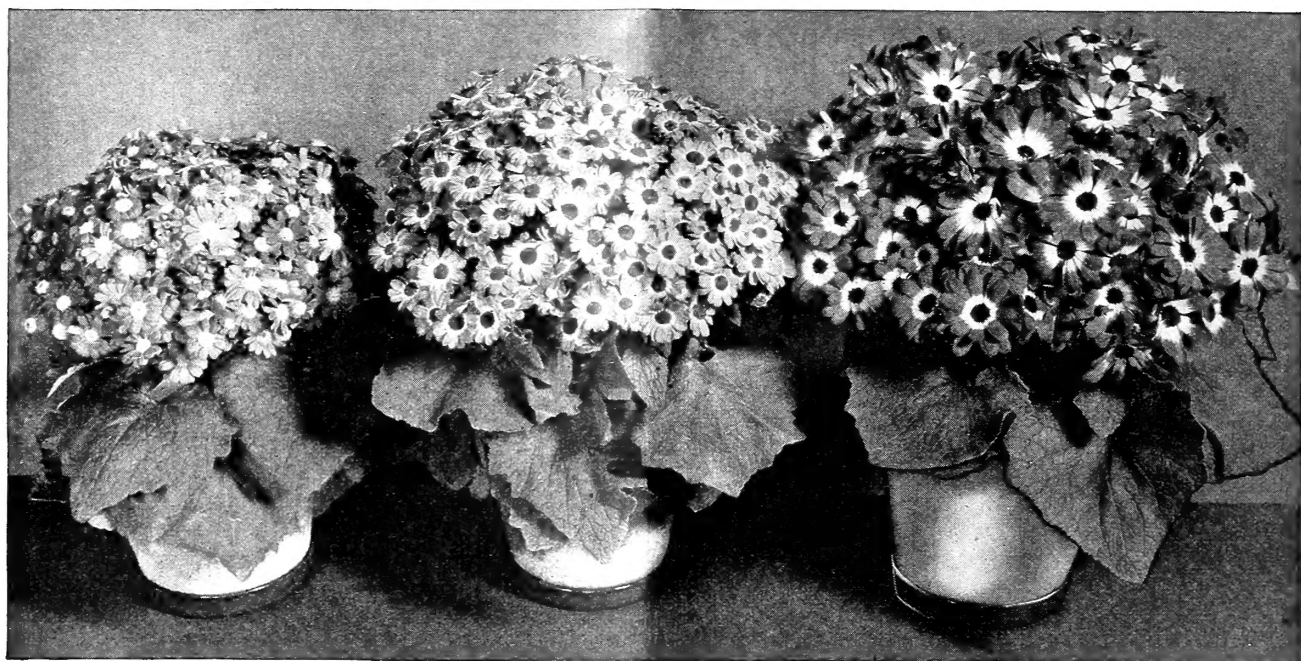


CALCEOLARIA Grandiflora Extra Choice Mixed



CALCEOLARIA Flower Cloud





CINERARIA Multiflora Nana.

Cremer's Prize.

Potsdam Strain (Weissensee) Berlin Market

## Cineraria Hybrida

**Vaughan's Columbian Mixture.** It consists of a mixture made up by ourselves of the choicest large flowering strains, of our Gold Center Nana Multiflora type and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant.  $\frac{1}{64}$  oz., \$1.80;  $\frac{1}{32}$  oz., \$3.00;  $\frac{1}{16}$  oz., \$5.50.....about 1000 seeds 1.00

**Howard and Smith's Strain.** The huge flowers of bewildering hues are borne in immense trusses, surmounting bold dark green foliage on low compact plants of model form.. Seed from the originator..... $\frac{1}{64}$  oz., \$2.60 1.00

### Large-Flowering—Separate Colors

**White Azure Blue Old Rose.** Pink to rich coppery red.  
**Crimson Dark Blue Matador.** Deep copper scarlet.  
**Rosamond.** Pink, white ring, dark center.  
 Each of the above.....500 seeds. .50

**Mixture of Gold Center, Cremer's, Siter's and Berlin Markets**.....1.00

**Cremer's Prize. Re-selected.** The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. The seed we offer naturally came from the introducer (when introduced). We have greatly improved this strain as to uniformity of size, color range and freedom of bloom. See back cover for colored illustration..... $\frac{1}{8}$  oz., \$14.00;  $\frac{1}{16}$  oz., \$7.50;  $\frac{1}{32}$  oz., \$4.00 1.50

**Hybrida Multiflora Nana.** Produces dwarf plants with masses of small flowers, measuring about  $\frac{3}{4}$  in. in diameter, in compact heads over small and dainty foliage. The flowers are self-colored.

**Azure Blue Rose Dark Red**  
**Dark Blue Rose Carmine Salmon (Lachsrosa)**  
 Each of the above.....500 seeds .50

**Multiflora Nana. Mixed, all colors**..... $\frac{1}{32}$  oz., \$3.00 1.00

**Multiflora Nana Maxima, Mixed.** Many flowered dwarf variety with large blooms..... $\frac{1}{64}$  oz., \$3.00 1.00

**Multiflora Nana Hybrida Dondo Mixed.** 1940 Novelty. A new type of the Nana Compacta variety. Received award at many exhibitions.....1.25

**Multiflora Grandiflora Maxima. Choicest Mixed.** A hybrid between "Multiflora Nana" and "Grandiflora Maxima". Of the first mentioned it has inherited the multiflorous blooms, of the latter the great height, the large flowers and the wonderful shades of colors. The single plant is 12-16 inches high above the pot. The foliage is in rosettes, similar to the Multiflora Nana, only the single leaves are far larger and more imposing. The inflorescence has a diameter of 12-14 inches and consists of 80-100 single blooms, each one 2-3 inches in diameter.....1.00

### CINERARIA—Continued

Tr. pkt.

**Potsdam Strain. (Weissensee). (Berlin Market) Mixed.** Flowers larger and plants somewhat taller than Multiflora Nana with a wonderful color range..... $\frac{1}{32}$  oz., \$2.80;  $\frac{1}{64}$  oz., \$1.50.. 1.00

**Crimson,**  $\frac{1}{64}$  oz., \$1.50; **Dark Blue,**  $\frac{1}{64}$  oz., \$1.25; **Rose,**  $\frac{1}{64}$  oz., \$1.35; **White,**  $\frac{1}{64}$  oz., \$1.40; **Salmon Rose shades,**  $\frac{1}{64}$  oz., \$1.50.

Each of above.....500 seeds .50

**Blue with White Eye**..... $\frac{1}{64}$  oz., \$2.25 1.00

**Red with White Eye**..... $\frac{1}{64}$  oz., \$2.25 1.00

**Siter's Rainbow Strain. Mixed.** Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's.....2.00

**Plenissima.** Double mixed. Good for cutting....500 seeds .50

**Star Cineraria (Cineraria Hybrida Polyantha).** Fine, small-flowering varieties for cutting and decorative purposes. Plants grow 3 ft. high..... $\frac{1}{32}$  oz., \$1.40 .50

**Feltham Beauty.** Somewhat dwarfier than above, but with larger flowers and broader petals; nearly all have white centers..... $\frac{1}{32}$  oz., \$1.30 .50

**Polyantha Stellata. Blue.** Rich, dark blue, 2 ft.  $\frac{1}{32}$  oz., \$2.60 .50

**Polyantha. Salmon Pink.** A fine new shade.  $\frac{1}{32}$  oz., \$2.00 .50

### CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

This new strain is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. We strongly recommend this variety.

500 seeds, 60c; 1000 seeds, \$1.00

## Chinese Forget-Me-Not

**Cynoglossum Amabile, Blue Bird.** A lovely plant Tr. pkt. Oz.  
 18 to 24 inches tall, with bright blue flowers. May be grown either outside or under glass. Makes wonderful cut flower..... $\frac{1}{4}$  oz., 25c \$0.15 \$0.80

**Amabile. Pink**......15 .60

**Fairy Blue.** Attractive deep Cambridge or azure blue......15 .40

**Firmament.** A compact variety of bushy, growth, 15 to 18 inches tall. Smothered with rich dark blue flowers..... $\frac{1}{4}$  oz., 50c .25 1.60

**DRACAENA Indivisa.** Narrow green leaves. lb., \$4.00 .15 .40

**Australis.** Green and red colored leaves......20 .90





CYCLAMEN Persicum Giganteum Strain

## Cyclamen Persicum Giganteum

Cyclamen prices are net and subject to change without notice.

250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate.

	100 Seeds	1,000 Seeds
Bonfire. Brilliant salmon.....	\$2.25	\$20.00
Bright Red.....	1.75	16.00
Dark Blood Red.....	1.75	16.00
Lavender.....	1.75	16.00
Morning Red (Sunrise). Light salmon, dark eye...	2.20	18.00
New Ruffled Mixed.....	2.30	21.00
Orange Beauty. Orange vermillion.....	2.30	21.00
Pink Pearl. Salmon pink.....	2.30	21.00
Pure Rose.....	1.75	16.00
Pure White.....	1.75	16.00
Rococo Erecta Mixed. Large fringed flowers.....	2.20	18.00
Saffron Red.....	2.20	18.00
Saffron Red Silver Edge.....	2.25	20.00
Salmon Scarlet (America Improved).....	2.30	21.00
Salmon Rose Improved.....	2.25	20.00
Salmon Dark. (Glory of Wandsbek or Perle of Zehlendorf).....	2.20	18.00
Salmon Light (Rose of Zehlendorf).....	2.20	18.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal).....	1.75	16.00
White with Carmine Eye.....	1.75	16.00
White Crested.....	2.20	18.00
Mixed.....	1.65	15.00

## Double Cyclamen

This strain comes about 80% true from seed.

**Admiration.** A beautiful salmon rose with shaded eye.

**Cerise Brilliant.** A good Christmas red.

**Prosperity.** An azalea type, flaming rose color.

**Rosea.** A soft rose with a coral cast shading lighter at petal tips.

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$14.00; 1,000 seeds, \$25.00.

**Double Mixed.** The four above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$14.00; 1,000 seeds, \$25.00.

## Coleus

**Frederici.** 2 ft. This beautiful flowering Coleus is undoubtedly one of the most valuable plants for greenhouse decoration during the winter months. The color is pure deep cornflower blue. June sowing can be relied upon to produce plants to be at their best about Christmas-time. Seeds should be sown in moderate heat and for the final potting 8-inch pots are suitable. From October onwards an atmosphere of about 55 degrees will be necessary to produce the best results. Award of Merit R. H. S. .... \$0.50 ....

## Didiscus Coeruleus

**Vaughan's Improved Wilt-Resistant Blue Lace Flower**

An improved variety with flowers of a deeper blue and half again as large. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring 2½ to 3½ inches in diameter. Seeds planted before the end of June will flower in fall and through the winter. Not over Carnation temperature needed. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.75; oz., \$6.00.

**EXACUM Affine.** An easily grown pot plant with very fragrant flowers of bluish lilac color with yellow stamens. Excellent for basket work. 6 in. .... \$0.75 ....

**GESNERIA Robusta Perfecta Hybrids.** A fine pot plant. It belongs to same as class the Gloxinias and needs same culture in greenhouse. .... 1.00 ....

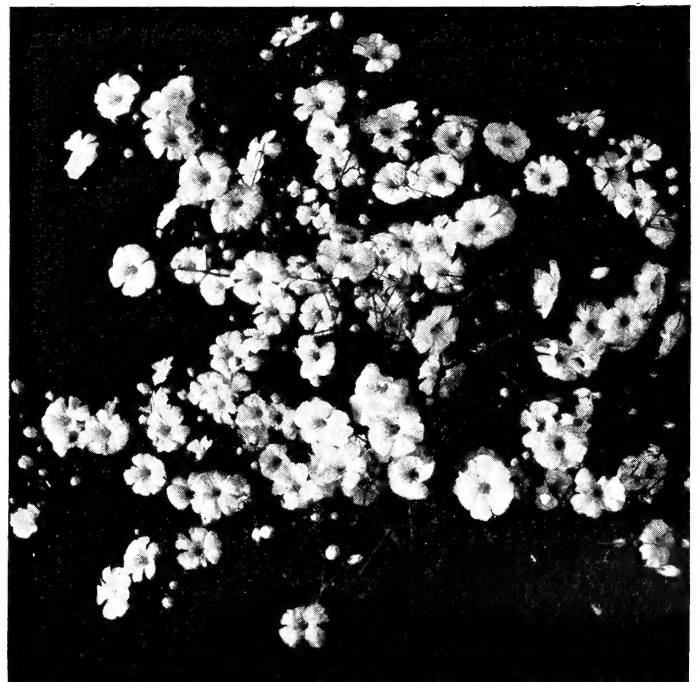
**GREVILLEA Robusta.** Silk Oak. Good for fern dishes. .... lb. \$8.00 .15 \$0.80  
**Robusta Pyramidalis.** Pyramidal habit. .... .25 ....

## Gypsophila

**Elegans Grandiflora Alba, Vaughan's Select Florist Strain.** This stock has an average of eight petals, size is about a half inch per floret and, although there are very slight pale green rays on the flowers, they are not at all noticeable. It is extremely free blooming, somewhat more so than the ordinary strain, and the height is about the same as the other strain. The petals are considerably broader than other stocks, making the flowers nice and round, without the usual cartwheel effect. About 10% will be the smaller flowered type. ¼ lb., 75c; lb. \$2.40 .... .25

**Elegans Carminea.** Deep rose. .... lb., \$2.20 .10 .25

**Crimson.** .... lb., 2.40 .10 .25



GYPSOPHILA Elegans Grand. Alba. Vaughan's Select Florist Strain.



GLOXINIA Type of Vaughan's Columbian Mixture

## Gloxinia Hybrida

Vaughan's Columbian Mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and is unsurpassed by the great size and exquisite brilliancy and beauty of the individual blooms as well as richness of colors and shades of same. Trade pkt. (about 1,000 seeds), \$1.00; ½ oz., \$4.00.

Vaughan's "Beacon." Flowers rich dark red. The plants produce from 50 to 70 flowers and this is only possible with a strain producing many flowering side growths. A fully grown plant makes about three dozen leaves and if one or more leaves are broken, they may be cut off without deforming the plant. Flexible leaves making for easier wrapping and packing. 1,000 seeds, \$1.00 Trade pkt. Oz.

Danube. White with broad blue margin.....	1.00	.....
Emperor Frederick. Scarlet, white margin.....	1.00	.....
Emperor William. Dark blue, bordered white.....	1.00	.....
Othello. Purple.....	1/4 oz., \$1.80	1.00
Scarlet Queen. Deep scarlet.....	1/4 oz., \$1.80	1.00
Snow Queen.....	1/4 oz., \$1.80	1.00
Victory Star. It has all the ideal qualities and the fiery red color of Victory Red, but has an effective white eye or throat, a profuse bloomer and robust grower.....	500 seeds, 2.00	.....
Wandsbeker Blut. Large brilliant dark red flowers. The leaves are soft, do not break.....	1.00	.....
Waterloo. Black red, passing to deep carmine.....	1.00	.....
Gigantea Mixed.....	1/4 oz., \$1.80	1.00

## Kalanchoe

**Globulifera Var. Coccinea.** Popular Winter flowering pot-plant. In form they are similar to the well known Bouvardia flower, but the color is a very bright scarlet. That the flowers do not fade is of great advantage to the sale of plants and, last but not least, they develop their flowers in the winter time when such a rich coloring is in demand. Culture instruction with seeds. 1,500 seeds, 60c 3,000 seeds, \$1.00.

**Blossfeldiana Compacta.** The flower stalks form one compact mass of brilliant scarlet umbels just above the foliage. The common type generally produces rather long flower stalks of different heights, while this new type is of very even height and has the ideal compact pot-plant habit. A single plant will produce 50 to 60 flower stalks if grown properly. 500 seeds, \$1.00; 1,000 seeds, \$1.80.

**LISIANTHUS Russellianus (Eustoma).** An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow in heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1 ½ ft. 1/16 oz., 90c; trade pkt., 50c.



ANNUAL LARKSPUR GIANT IMPERIAL

## Annual Larkspur

To get satisfactory germination from Larkspurs in the hot summer, it is necessary to chill the seeds in an ice box for several days before sowing. Larkspurs must be grown cool.

### GIANT IMPERIAL OR BASE BRANCHING—4 ft.

A race of annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

<b>Blue Bell.</b> Fine medium blue, deeper than sky blue, lighter than lilac.	<b>Exquisite Pink Improved.</b> Salmon-pink.
<b>Blue Cockade.</b> Rich lilac blue.	<b>Gloria Improved.</b> Rich deep rose salmon.
<b>Blue Spire.</b> Dark blue.	<b>Lilac Spire.</b> Beautiful lilac color.
<b>Carmine King.</b>	<b>Los Angeles.</b> Salmony scarlet.
<b>Coral King.</b> Blush pink with a suffusion of coral.	<b>Miss California.</b> Deep pink on salmon.
<b>Daintiness.</b> Delicate lavender.	<b>White King.</b> Glistening pure white.
<b>Dazzler.</b> Rich scarlet.	

Each of the above. Trade Pkt., 25c; ¼ oz., 35c; oz., 90c; lb., \$9.00.

**Montrose.** The color is a clear rose-pink. The florets are exceptionally large, well and closely set on wiry spikes that are 3 to 4 feet long. ¼ oz., 40c \$0.25 1.20

**Pink Perfection.** Lively light pink, large double florets, excellent upright habit. ¼ oz., 40c .25 1.20

**Rosalind.** Rose with enough suffusion of salmon to create a most pleasing new shade. ¼ oz., 40c .25 1.20

**Sweet Lavender.** Lavender. ¼ oz., 40c .25 1.20

**Giant Imperial Vaughan's Special Mixed.** All colors. Trade Pkt., 20c; oz., 80c; lb., \$8.00.

### STOCK-FLOWERED—4 ft.

<b>Dark Blue.</b>	<b>Rosamond.</b> Pure rose.
<b>Empress Rose.</b> Hermosa pink.	<b>Rose Queen.</b> Deep rose pink without salmon shading.
<b>La France.</b> Salmon pink.	<b>Sky-Blue (Ageratum Blue).</b>
<b>Lilac Supreme.</b> Deep lilac.	<b>White.</b>
<b>Newport Pink.</b>	
Each of the above, Trade Pkt., 20c; oz., 50c; lb., \$5.00.	
<b>Stock Flowered Vaughan's Special Mixed.</b> Trade Pkt., 15c; oz., 50c; lb., \$5.00.	

### IMPROVED GIANT HYACINTH - FLOWERED—45 in.

Plants produce one long non-branching spike.	Tr. pkt. Oz.
<b>Dark Blue, Purple, White, Lilac.</b> Each, lb., \$8.00	\$0.25 \$0.80
<b>Mixed Improved Giant Hyacinth Fld.</b> .lb., 6.00	.15 .60

## Annual Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop."

**Giant or King Lupinus.** This improved new giant strain reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms. Tr. pkt. Oz.

King Dark Blue.....	lb., \$5.00	\$0.15	\$0.50
King Heliotrope. A pleasing rosy purple....		.25	.80
King Sky-Blue.....	lb., 5.00	.15	.50
King White.....	lb., 5.00	.15	.50
King Mixed.....	lb., 5.00	.15	.50
Hartwegii. Dark Blue, Oxford-Blue, 24 in. lb.,	3.60	.10	.30
Albus. White.....	lb., 3.60	.10	.30
Light Blue. Cambridge-Blue.....	lb., 3.60	.10	.30
Rose Queen. The color is rose-pink.....	lb., 4.00	.15	.40
Mixed.....	lb., 2.20	.10	.20
Sulphureus Superbus. Annual Yellow. Takes well of the Chicago market, 28 in.....	lb., \$5.00	.15	.50

## Mignonette

**True Machet.** Vaughan's Selected Stock. 1/4 oz., 25c \$0.15 \$0.80  
**New York Market.** Greenhouse grown seed. This is an extra choice strain of Mignonette for greenhouse culture..... 1.00 .....

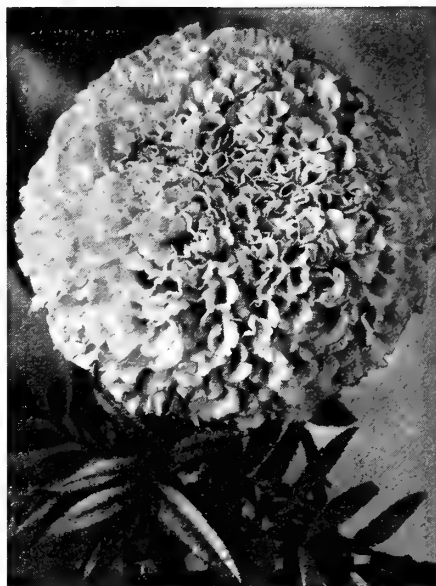
## Naegelia Hybrid Mixed

Naegelia is a genus of tropical American Gesneria-like plants closely related to Achimenes and is handled in much the same way, except that the varieties usually available in seeds do not have tuberous roots like those of Achimenes and the Gloxinias and therefore are handled somewhat differently during the dormant period. Although these plants may be propagated by means of offsets, they are so easily grown from seeds that most growers will likely favor the last named method. An excellent pot plant. Trade pkt., \$1.00.

## Nasturtium

**Double Climbing Fragrant Varieties.** Sow seed in late summer and give support early. Their bright flowers of spicy fragrance will come in handy during the winter months.

	Oz.	1/4 lb.	Lb.
<b>Tall Golden Gleam.</b> Semi-double, yellow....	\$0.10	\$0.30	\$1.00
<b>Indian Chief.</b> Foliage dark green, vivid scarlet flowers.....	.30	1.00	....
<b>Salmon Gleam.</b> Golden salmon.....	.15	.30	1.00
<b>Scarlet Gleam.</b> Bright orange-scarlet, fragrant.....	.10	.30	1.00
<b>Glorious Gleam Hybrids.</b> Wonderful range of color in double and semi-double flowers	.10	.30	1.00



MARIGOLD Prince of Orange

## Marigold

For best results, seed should be sown from July up to December Plant in any house that can be kept free from frost. No insect pests.

### Tall African Double Fistulosa, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

**Lemon Queen, Los Angeles Florist Strain.** All double. Trade pkt., 25c; 1/4 oz., 50c; oz., 1.60; 4 oz., \$5.00

**Prince of Orange, Los Angeles Florist Strain.** All double. Trade pkt., 25c; 1/4 oz., 50c; oz., 1.60; 4 oz., \$5.00.

**Yellow Supreme.** Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 20c; 1/4 oz., 40c; oz., \$1.40; 4 oz., \$4.00.

**Guinea Gold.** Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2 1/2 ft. Trade pkt., 20c; 1/4 oz., 40c; oz., \$1.20; 4 oz., \$4.00.

**Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. Trade pkt., 35c; 1/4 oz., 60c; oz., \$2.00.

**Lieb's Winter Flowering Sunshine.** Golden orange, yellow center. Trade pkt., 35c; 1/4 oz., 60c; oz., \$2.00.

# Vaughan's Giant Pansies

## GIANT SWISS SEPARATE SORTS

	Trade pkt.	1/4 Oz.	Oz.
<b>Swiss Alpenglöw.</b> Rich wine-red shades....	1/8 oz., \$1.00	\$0.50	\$1.75 \$6.00
<b>Swiss Berna.</b> Dark violet-blue... 1/8 oz., \$1.00	.50	1.80	6.00
<b>Swiss Blue (Ullswater. Thuner Sea).</b> The most distinct rich deep ultramarine blue with darker blotches..... 1/8 oz., \$1.20	.50	2.25	8.00
<b>Swiss Coronation Gold.</b> Flowers canary-yellow with lower petals flushed golden orange, round flowers as much as 3 in. across, with slightly ruffled edges. This is the best pure yellow pansy..... 1/8 oz., \$1.50	.75	2.75	10.00
<b>Swiss Luna.</b> Soft sulphur yellow, self without blotches, round substantial flower with frilled edge. A delicate and lovely color, varies.... 1/8 oz., \$1.25	.50	2.25	....
<b>Swiss Pure White.</b> Very free-blooming, large, well shaped flower. The best pure white Pansy..... 1/8 oz., \$1.20	.50	2.20	8.00
<b>Swiss Pure Yellow.....</b>	.50	....	....
<b>Swiss Rhinegold.</b> Canary-yellow with dark blotches..... 1/8 oz., \$1.00	.50	1.80	7.00

## PANSIES—SEPARATE SORTS

	Trade pkt.	1/4 Oz.	Oz.
<b>Adonis.</b> Light blue, white center.....	\$0.25	\$0.60	\$2.00
<b>Apollo.</b> Bronze.....	.25	.70	....
<b>Beaconsfield.</b> Deep purple, upper petals white	.25	.60	....
<b>Black.</b> Large flowered, true black.....	.25	.70	2.40
<b>Blue Boy (Early Flowering).</b> Clear, pure silvery lilac.....	.25	.60	....
<b>Bugnot.</b> Shades of red, bronze and cardinal..	.35	.90	3.20
<b>Rembrandt.</b> Compact habit of plant, long stemmed, five blotched, vivid bronze-orange	....	....	....
<b>Cardinal.</b> Brilliant red.....	.25	.70	2.40
<b>Delft Blue.</b> Porcelain-blue.... 1/8 oz., \$1.20	.50	2.20	8.00
<b>Emperor William.</b> Dark navy-blue.....	.25	.70	2.40
<b>Fanal.</b> Scarlet without an eye.... 1/8 oz., \$1.20	.35	2.20	8.00
<b>Fire Beacon.</b> Very unusual shade, bright wall-flower red with a touch of orange 1/8 oz., \$1.25	.50	2.20	8.00
<b>Golden Queen.</b> Yellow without blotches....	.25	.65	2.20
<b>Madame Perret.</b> Shades of pink and rose..	.25	.60	2.00
<b>President McKinley.</b> Golden yellow, five spotted.....	....	....	....
<b>Prince Henry.</b> Darkest blue.....	.25	.70	2.40
<b>Purple.</b> Very large, rich deep purple.....	.25	.60	2.20
<b>White with Dark Eye.</b> Very large.....	.25	.60	2.20
<b>White, Pure.</b> Without blotches.....	.25	.70	2.40
<b>Yellow with Black Eye.....</b>	.25	.60	2.20



PANSY VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

## Pansies—Continued.

Pansies have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

Each year we make extensive tests of all pansies in our greenhouses in Western Springs. The plants are checked for trueness of color and type and the mixtures for balance of color harmony.

**How to Sow Pansy Seeds.** Sow the seeds in a cold frame in light soil without any fertilizer. Cover the seeds very lightly with the same soil and keep moist. Shade the seed bed with cheesecloth or a muslin screen, and as soon as all the plants are up remove the screen. Or you may sow them in a large pot or seed pan.

To be sure of fine, strong Pansy plants, we suggest the following, applied as a top-dressing by the end of March or early April.

2 parts dried blood. 2 parts steamed bone meal. 1 part potash

## VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early. One of our florist customers writes on March 27, '41.—"Your winter flowering pansies are one of our best paying crops." See illustration in color on back page. Trade pkt., \$1.00; ½ oz., \$2.00; ¼ oz., \$3.65.

## VAUGHAN'S STUPENDOUS MIXTURE

Remarkable strain of gigantic proportions for greenhouse culture. The plants are veritable bushes, growing 4 ft. high. Carried on thick stiff stems 18 in. long are enormous flowers 4 to 4½ in. in diameter, and in a complete color range. Included are both multicolor blooms and selfs and among the latter are pure yellow. Pkt., 100 seeds, \$2.50.

## GIANT MIXTURES

### VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—salmons, yellows, pinks, rich reds and blues, are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 50c; ½ oz., \$1.20; ¼ oz., \$2.20; oz., \$8.00; 2 oz., \$15.00.

### VAUGHAN'S DWARF SUPER SWISS MIXED

Special selection of Geneva Giants of dwarf habit. Rich assortment of colors. Trade pkt., 50c; ½ oz., \$1.20; oz., \$8.00.

## VAUGHAN'S SUPER SWISS GIANT MIXTURE

We have made a special mixture from three or four growers' stocks. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous size and wavy and crinkly flowers. Trade pkt., 75c; ½ oz., \$1.50; ¼ oz., \$2.70; ½ oz., \$5.50; oz., \$10.00.

## SWISS DWARF MIXED

For those who desire a dwarfier plant than the original type, we have had our grower make this selection. The colors are the same as in the original strain but the plant itself is considerably shorter. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.80; oz., \$6.00.

## VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 50c; ½ oz., \$1.25; ¼ oz., \$2.25; oz., \$8.00.

## VAUGHAN'S SUPER MAPLE LEAF MIXTURE

### "CANADIAN GIANTS"

This strain is even finer than the above, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 75c; ½ oz., \$1.75; ¼ oz., \$3.30; oz., \$12.00.

## VAUGHAN'S GIANT MIXTURE

Besides a good share of the "Fancy" strains such as Masterpiece, Swiss Giant, etc., this mixture contains all the self colors such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high grade mixture obtainable. All the flowers are of the "Giant" type. Trade pkt., 50c; ¼ oz., \$1.40; oz., \$5.00.

## VAUGHAN'S INTERNATIONAL MIXTURE

This is a mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants, Boulogne Giants—all 3- and 5-spotted flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self colors, such as white, blue and yellow, these should be ordered separately if desired. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.80; oz., \$6.00.

## GENEVA GIANT MIXED

**A Special Selection of Swiss Giants.** The seed we supply is from the originator in Geneva, Switzerland. Trade pkt., \$1.00; ½ oz., \$2.50; ¼ oz., \$4.75; oz., \$18.00.

**Geneva Giant Mixed.** Grown from Originator's Stock Seed. A very fine strain. Trade pkt., \$1.00; ½ oz., \$1.40; 4 oz., \$30.00; oz., \$10.00.

**America, Ideal Bedding or Basket Pansy** Good substance with wide color range. Free-flowering. Trade pkt., 50c; ¼ oz., \$1.80; oz., \$6.00; 4 oz., \$22.00.

**Boulogne Giant Mixture.** The flowers are of large size, great substance. Trade pkt., 50c; ½ oz., \$1.40; ¼ oz., \$2.60.

**Engelmann's Special Mixture.** Scottish show type, immense flowers, bronze and reddish shades, compact and early flowering. Trade pkt., 50c; ½ oz., \$1.20; ¼ oz., \$2.25; oz., \$8.00.

**Engelmann's Giant Mixture.** Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 50c; ½ oz., \$1.20; ¼ oz., \$2.25; oz., \$8.00.

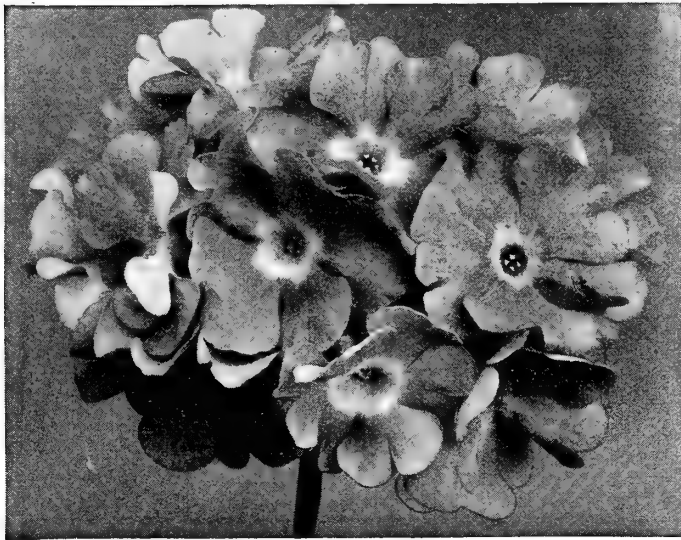
**Orchid-Flowered Eldorado Art Shades.** A lovely type, including only pretty tints and combinations of cream, primrose, pale mauve and other delicate shades, the well formed flowers being exquisitely frilled. These delicate shades should not be mixed with stronger colors. Trade pkt., 35c; ¼ oz., \$1.20; oz., \$4.00.

**Jumbo Mixed.** Extra large and early; long stemmed flowers. Trade pkt., 50c; ½ oz., \$1.00; ¼ oz., \$1.75; ¼ oz., \$3.25; oz., \$12.00.

**Masterpiece—Giant Curled.** The colors are superb, mostly red and brown shades. Trade pkt., 35c; ¼ oz., \$1.25; oz., \$4.00.

**True Scotch Show Mixture.** Fancy mixture in excellent range of colors, including carmine, ruby and brown, all beautifully blotched, with flat substantial flowers. Short habit, large leaves. Trade pkt., 50c; ¼ oz., \$1.80; oz., \$6.00.





PRIMULA Obconica Grandiflora Fassbender Red

## Primula Obconica

### New Crop Seed—Just Arrived!

From Our European Growers Trade pkt.

<b>Grandiflora Avalanche.</b> White.....	1/4 oz., \$2.50	1.00
<b>Better Days.</b> Deep carmine-red. Very large-flowering. The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems. 1/4 oz., \$2.00; 1/2 oz., \$3.75		1.00
<b>Dondo.</b> In our opinion, the finest dark red Obconica. Astonishing freedom of bloom—10 to 12 exceptionally large velvety red flowers in full bloom on each stem. Especially valuable in winter, as Dondo holds its true deep red color. 1/4 oz., \$3.00		1.00
<b>Sky-Blue</b> (Konigsee). Extra-large flowers.....	1/2 oz., \$3.75; 1/4 oz., 2.00	1.00
<b>Dark Blood-Red</b> (Bayern Blut).....	1/4 oz., 2.00	1.00
<b>Fassbender Red.</b> Flowers rich deep red of enormous size. Outstanding variety. See illustration on back cover. 1/4 oz., \$2.50; 1/2 oz., \$4.80		1.00
<b>Lachsrosa.</b> A beautiful salmon-rose.....	1/4 oz., 2.00	1.00
<b>Mohnstein's Dark Red.</b> .....	1/4 oz., \$2.00; 1/2 oz., 3.80	1.00
<b>Mueller's</b> (Berlin) Rose.....	1/4 oz., 1.80 1/2 oz., 3.50	1.00
<b>Mixed,</b> many colors.....	1/4 oz., 1.00	.50
<b>Double Portland Beauty.</b> Light to dark rose-pink.....	1/4 oz., \$3.00; 750 seeds, \$1.50	

## Primula Chinese Giant

Trade pkt. of any of the following, except as noted otherwise, 250 seeds, each, 50c.

<b>Chiswick Red Improved.</b> Red.	
<b>Covent Garden White.</b>	
<b>Giant Pink.</b> Extremely large petals of great substance.	
<b>Giant Salmon.</b> Massive heads of flowers of great substance.	
<b>Queen Mary.</b> Rose-pink.	
<b>True Blue.</b>	
<b>Vaughan's International Mixture.</b> 1/2 oz., \$4.00; 1/4 oz., \$2.40.	
<b>Giant Mixed.</b> Includes this year a number of new shades. 1/4 oz., \$2.00.	
<b>Dazzler.</b> A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Trade pkt., 250 seeds, 50c; 1/4 oz., \$2.00.	

## Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

**Giant Blue Star. Giant Salmon Pink Star. Giant White Star. Giant Star Mixed.**

Each of the above, Trade pkt., (250 seeds), 50c.

## Primula Giorgis

(This is a cross between Primula Malacoides and Primula Chinensis Fimbriata). An outstanding Novelty.

The flower formation is that of the Chinese Primrose, while the short compact thick foliage reveals the Malacoides blood. The finely fringed, double rowed, single flowers are about 1 1/4 inches in diameter and appear in clusters over the short stemmed dark green foliage. The color is a strong carmine rose, with a somewhat smaller percentage of lighter and darker foliage but all with a strong yellow center. Quoted subject to arrival of stock. Trade pkt., \$2.00.

## Primula

### Eriksson's Malacoides (Baby Primrose) (ORIGINATOR'S SEED)

Recent improvements in this Baby Primrose class have made them indispensable for Florists' use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day.

**Riverside Strain.** Recent improvements in this Baby Primrose class have made them indispensable for Florist's use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day. This is the newest strain, flowers are larger, stems are heavier; foliage is stiffer, more upright and heavier. Flowers have more substance and last longer. About two weeks later in blooming. This type does not "crop" in and gives a longer period in which to sell plants.

**Glory of Riverside Improved.** A true rose pink, free bloomer with large flowers and robust grower.

**Lilac Beauty.** Pure light lilac, 100% even color when blooming and a delight to work in combinations.

**New Giant.** Large flower and later bloomer. Same color as Glory of Riverside.

**Riverside Red Rose.** A new introduction, a brilliant red rose of very even color from start to finish. See outside front cover for illustration in color.

**White Giant.** New. An exceptionally strong grower, large pure white flowers which may be used in combinations instead of Hyacinths.

**Each of the above:** 500 seeds, \$1.00; 2,000 seeds, \$3.00; 6,000 seeds, \$8.00.

## New Giant Malacoides

**Double Fairy Jewels.** The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), \$1.50.

**Enchantress.** A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are 1/8 to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade Packet (about 1,000 seeds), \$1.50.

**Snow Flake.** Has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply high-lighted by the lush green foliage. Trade Packet (about 1,000 seeds), \$1.00.

**Mixture.** Contains the two above single varieties, together with a good many others still in the developmental stage. Among these is a most delightful bicolor pink and white which will be ready for introduction as a separate variety within the next year or two. Trade Packet (about 1,000 seeds), \$1.00.

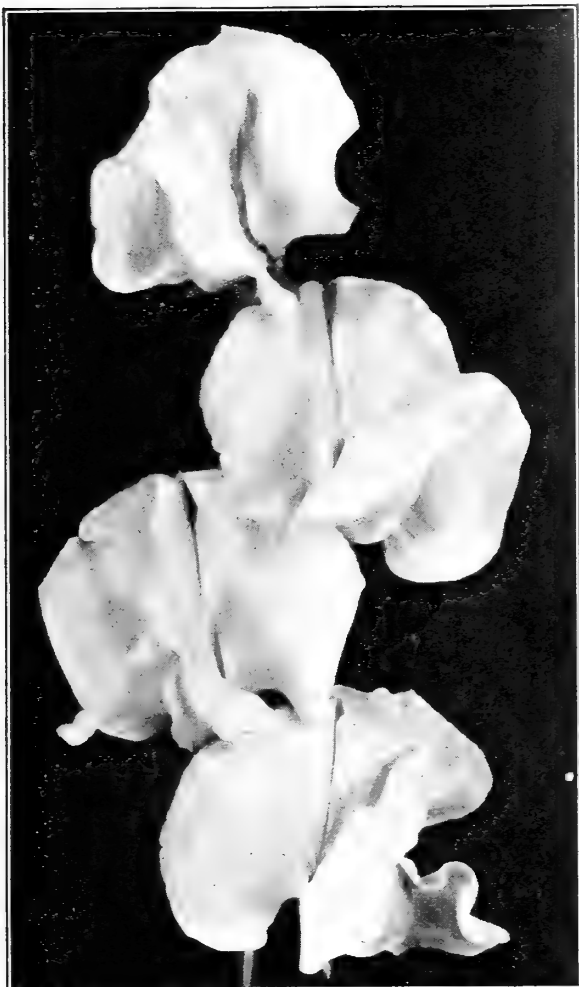
## Malacoides Various Sorts

	Tr. pkt.
<b>Dawkin's Carmine King.</b> .....	1/4 oz., \$1.80; 1000 seeds, \$0.50
<b>Princess Mary.</b> Deep rose pink.....	1/4 oz., \$1.60 .50
<b>Rosea Superba.</b> Beautiful pink.....	1/2 oz., \$1.60 .50
<b>Salmon Rose.</b> .....	1/2 oz., \$2.50 .50
<b>Double White.</b> .....	1/4 oz., \$1.80; 1000 seeds, .50
<b>Erikssoni. Baby Rose.</b> Deep rose. Improved Baby Doll.....	1/2 oz., \$2.40 1.00
<b>Brilliancy.</b> Opens lavender, changing to crimson-red.....	1/4 oz., \$2.50, 1000 seeds 1.00
<b>New Baby.</b> Lavender-pink.....	1/4 oz., \$1.80, 1000 seeds 1.00
<b>Melody.</b> This distinct novelty has an attractive color, being a pure soft rose tinged salmon and without any lilac tint. The flowers are large, slightly fringed and are very freely borne on well shaped compact plants.....	1.00
<b>Salmon Beauty.</b> True salmon.....	1000 seeds 1.00
<b>Snow King.</b> Pure white.....	1/4 oz., \$1.80, 1000 seeds 1.00
<b>Wonder Baby.</b> Pink.....	1000 seeds 1.00
<b>Erikssoni Mixed.</b> .....	1/4 oz., \$1.80 .50

**Kewensis.** Yellow. Large flowered decorative, winter-flowering greenhouse plant. 12 in.....

# Sweet Peas Early-Flowering Spencer Novelties

May be sown by middle of June for an early fall crop, or later in summer for late fall or winter or spring crop.



SWEET PEAS EARLY FLOWERING TWILIGHT

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

All our Sweet Pea seed sent to you will be treated with Cuprocide (red copper oxide), unless ordered without this treatment. Treating seeds with Cuprocide before planting prevents damping off and other diseases.

Sweet Pea seed treated with Cuprocide must not be soaked before sowing.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet 10c.

Sweet Peas should be inoculated with Nitragin before planting.

★**Bridesmaid.** A charming deep silvery pink with stems unusually long. ½ oz., 20c; oz., 30c; 4 oz., \$1.00; lb., \$3.40.

**Cavalcade.** A new rich golden cerise. A white ground selection of the popular Sequoia and much brighter in color as it holds to this light base, vigorous grower. New crop ready in July. ½ oz., 20c; oz., 30c; 4 oz., 1.00; lb., \$3.40.

**Celestial.** A soft and warm shade of cerise with salmon rose. Under artificial light a pleasing suffusion of coral is noted. Giant flowers on long stems. Oz., 50c; ¼ lb., 1.40; lb., \$5.00.

★**Daphne.** A soft salmon-pink on a cream ground. The flowers are of great size, with beautifully expanded and waved standards ½ oz., 20c; oz., 30c; 4 oz., \$1.00; lb., \$3.40.

**Evening Star.** Sturdy grower with a heavy stem, holds its buds well even through the dark days of winter. Flower a warm Christmas Red and can be in crop for Christmas and through January. A favorite in the Eastern markets. Oz., 30c; 4 oz., \$1.00; lb., \$3.40.

**Gardenia.** Fragrant velvety white flowers, ruffled and duplexed. An easily grown white seeded variety; especially well suited for cut flower production. New crop ready in July. ½ oz., 25c; oz., 45c; 4 oz., \$1.20; lb., \$4.80.

**Hiawatha.** Deep rose self, flowers exceptionally large and bold faced, with a bit of white showing at the base of standard and wings. New crop ready in July. ½ oz., 25c; oz., 45c; 4 oz., \$1.40; lb., \$4.80.

★**Sequoia.** A rich golden salmon-cerise pea, frilled and wavy. The flowers are enormous, on long stout stems. ½ oz., 20c; oz., 30c; 4 oz., \$1.00; lb., \$3.40.

**Signal.** A fine new red; the best of its color; more intense color than Pride. New crop ready July. ½ oz., 30c; oz., 50c; 4 oz., \$1.40; lb., \$5.00.

★**Snow Queen.** Pure white, black seeded, opens and retains white color. Oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

**Sterling** is a large duplexed salmon rose with an abundant array of four and five graceful duplexed flowers on strong, heavy stems. Each flower is beautifully formed and of almost a self color, having only a trace of silvery-white in its base. Oz., 50c; ¼ lb., \$1.40; lb., \$5.00.

**Twilight.** A very vigorous grower. Highly productive. Long stems and extra large flowers are the two outstanding features of this new Pea. Color is a medium clear lavender, very much like Harmony, and will soon supersede Harmony with most growers, ½ oz., 30c; oz., 50c; 4 oz., \$1.70; lb., \$6.00.

★**Treasure Island.** A sparkling golden orange, very large flowered and semi-duplexed. Oz., 50c; ¼ lb., \$1.40; lb., \$5.00.

★**Triumph.** Lovely soft lilac-mauve. ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; lb., \$3.40.

**Vivian Zvolanek.** Clear deep carmine rose, long stemmed. 1 oz., 40c; 1 lb., \$4.20.

★**White Champion.** Best early-flowering white seeded white. Exceptionally long stems, carrying usually four flowers each. ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; lb., \$3.40.

**Zvolanek's Cascade.** Pure white. Oz., 40c; lb., \$4.80.

## GENERAL LIST—EARLY-FLOWERING SPENCER

Any of the following, except where noted otherwise, ½ oz., 20c; 1 oz., 30c; ¼ lb., \$1.00; lb., \$3.40.

### BLUE

**Blue Bird.** Violet blue. Fragrant.

**Florist Blue.** Pure blue.

**Iris.** Deep "Iris Blue," with the widespread wings keeping to a bit lighter hue than the standard, which is very broad and quite wavy. Oz., 40c; lb., \$4.40.

★**Mrs. Herbert Hoover.** Clear blue. Fragrant.

★**Princess Blue.** Rich light blue. Oz., 40c; 4 oz., \$1.20; lb., \$4.00.

★**Tahoe.** Both the wavy standards and ruffled wings have the same delightful shade of mid-blue. ½ oz., 20c; oz., 30c; 4 oz., \$1.00; lb., \$3.40.

**Top Hat.** Deep purple-blue.

### CREAM

**Oriental.** Deep cream, black seeded large flowers.

### LAVENDER

★**Burpee's Lavender.** Lovely light Wisteria lavender.

★**Danube.** Large, ruffled blooms of a clear lavender-blue, on long straight stems.

**Fragrance.** Large frilled lavender flowers, fragrant.

★**Harmony.** Most popular lavender, fragrant.

★**Memory.** Rosy lavender.

★**Michigan.** A mammoth dark, pure lavender.

**Vogue.** Superseded by Memory.

### MAROON AND PURPLE

**Amethyst.** An early-flowering "Royal Purple." Fragrant.

**Bacchus.** Mammoth flowered duplex on long, firm stems. Rich red maroon. 1941 crop ready in July or early Aug. ½ oz., 25c; oz., 35c; 4 oz., \$1.25; lb., \$4.00.

**Elk's Purple.** Long stemmed reddish purple.

SWEET PEAS EARLY FLOWERING SPENCER—Continued.

### ORANGE

- ★**Ball Orange Improved.** ½ oz., 29c; oz., 35c; ¼ lb., \$1.20; lb., \$4.00.
- Forty-niner.** Bright deep orange.
- ★**Skippy.** Light salmon-pink. Oz., 50c; ¼ lb., \$1.40; lb., \$5.00.
- Sunproof Orange.** Of a bright scarlet-orange hue with a hint of more orange in the standard.
- Valencia.** Color bright orange, sunproof.
- Zvolanek's Supreme Orange.** Clear orange, large flowers, strong stems.

### ROSE AND PINK

- American Beauty.** A rich crimson rose.
- ★**Ball Rose Improved.** Extra rich deep rose.
- Delicious.** Crushed strawberry color.
- Eileen.** Rich Begonia-rose with salmon shading.
- Florist Rose.** A pure rose-pink.
- Giant Rose.** Rose-pink. Fragrant.
- ★**Jeanne Mamitsch.** Striking pink, shading off to deepest pink.
- Josie.** Brilliant rose-pink, vigorous, large flowers; long stems.
- ★**Laddie Improved.** An enormous rose-pink. Fragrant.
- Majestic Rose.** Immense deep rose-pink flowers on long stems.
- ★**Mrs. R. H. Holscher.** Rose-pink.
- Peerness.** A robust growing; gives a heavy crop of blossoms. Color is pleasing clear rose cerise. Oz., 50c; 4 oz., \$1.35; lb., \$5.20.
- ★**Pride.** Pure cerise, large flowers on long stems.
- Ramona.** Coral rose with yellow and pink shadings.
- Shirley Temple.** A soft rose-pink. It has long stems.
- Sonnet.** Large flowers, a soft pink shade, borne on long stout stems.
- ★**Titania.** Mammoth flowered deep rose self, with white ground at the base. Oz., 50c; ¼ lb., \$1.40; lb., \$5.00.

### SALMON

- ★**Apollo.** A soft salmon-cerise. Fine spring bloomer.
- Attraction.** Bright salmon-pink.
- ★**Boon.** Deep salmon-pink on light cream ground.
- Chime.** Light salmon-pink on cream ground.
- Mrs. Calvin Coolidge.** Rich salmon-pink.

### SCARLET

- Genadier.** A glowing poppy-scarlet.
- Red Bird.** Bright crimson red.
- Redwood.** A deep, bright rich crimson.
- Vulcan.** Vivid scarlet.

### WHITE

- Burpee's White.** Glistening white, sweet scented.
- ★**Hope.** A mammoth-flowered black-seeded pure white.
- Snowstorm Improved.** White, of great substance. Fragrant.
- ★**White Harmony.** A standard black-seeded white.

**Early-Flowering Spencer. Vaughan's Special Mixture**  
from named sorts.

### SPRING-FLOWERING INTERMEDIATE

The spring-flowering type gives excellent flowers on long stems when the regular early-flowering types have given out. They also give a much heavier crop of flowers than the standard early-flowering type and are highly heat resistant. Seed of the spring-flowering type should be sown from Oct. to Feb. in the greenhouse for flowering for spring and summer flowers.

Blue.	Lavender.	Rose-Pink.
Each of above, ½ oz., 75c; oz., \$1.25; 4 oz., \$4.00; lb., \$15.00.		

Light Lavender.	New Varieties.	Mauve.
Each of above, ½ oz., 75c; oz., \$1.40; 4 oz., \$5.50.	Clear Pink.	

### Fragrant Early Flowering Spencer Sweet Peas

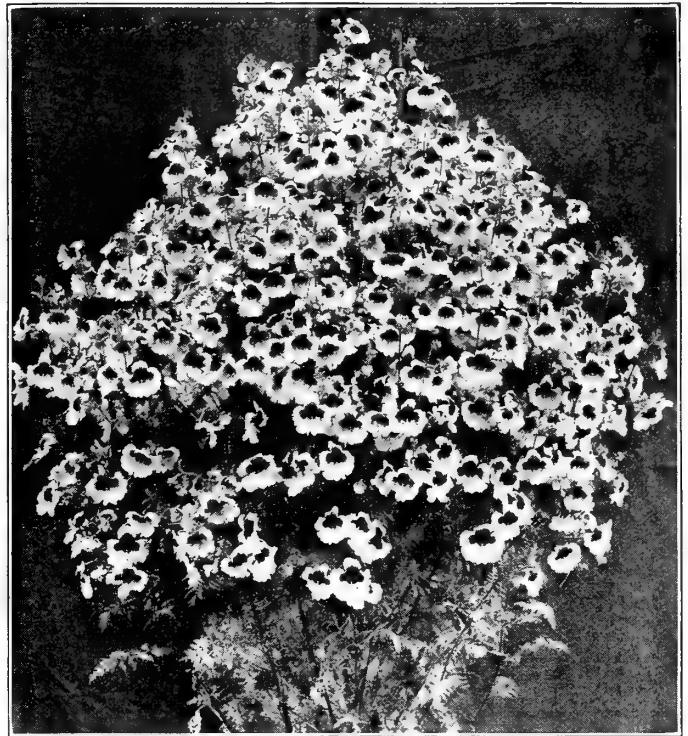
Amethyst.	Giant Rose.	Mrs. Herbert Hoover.
Blue Bird.	Harmony.	Snowstorm Improved.
Fragrance.	Laddie Improved.	

## Saintpaulia Ionantha Grandiflora (African Violet)

The large dark-blue flowers which resemble violets, are produced very freely; plants having as many as 25 blossoms and more at one time are not unusual. The attractive small velvety leaves, which are almost stemless, form a neat cushion from which rise these attractive flowers. The plants can be kept in flower throughout the year, given only a short rest period by withholding water. Complete, detailed cultural instructions are sent with the seed.

Trade Pkt. \$1.00

**Ionantha Cordata.** Dark cordated leaves, strong growth and large flowers of a deep lavender color. Blooms in 6 months from seed, Trade pkt. \$1.00



SCHIZANTHUS Vaughan's Dwarf Masterpiece

## Schizanthus

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

### VAUGHAN'S DWARF MASTERPIECE

This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well-balanced from light pink to rose, very pleasing dark violet, all with conspicuous blotches. A splendid item for Mother's Day. Trade pkt., 50c; ¼ oz., \$1.00.

**Vaughan's Excelsior Hybrids.** An extra select strain Trade pkt. Oz. with large flowers containing a perfect blend of colors for greenhouse culture. Makes a fine cut flower.

**Chelsea Bedding Mixture.** Magnificent for pots or garden. ¼ oz., \$1.00 \$0.50 .... .75 ....

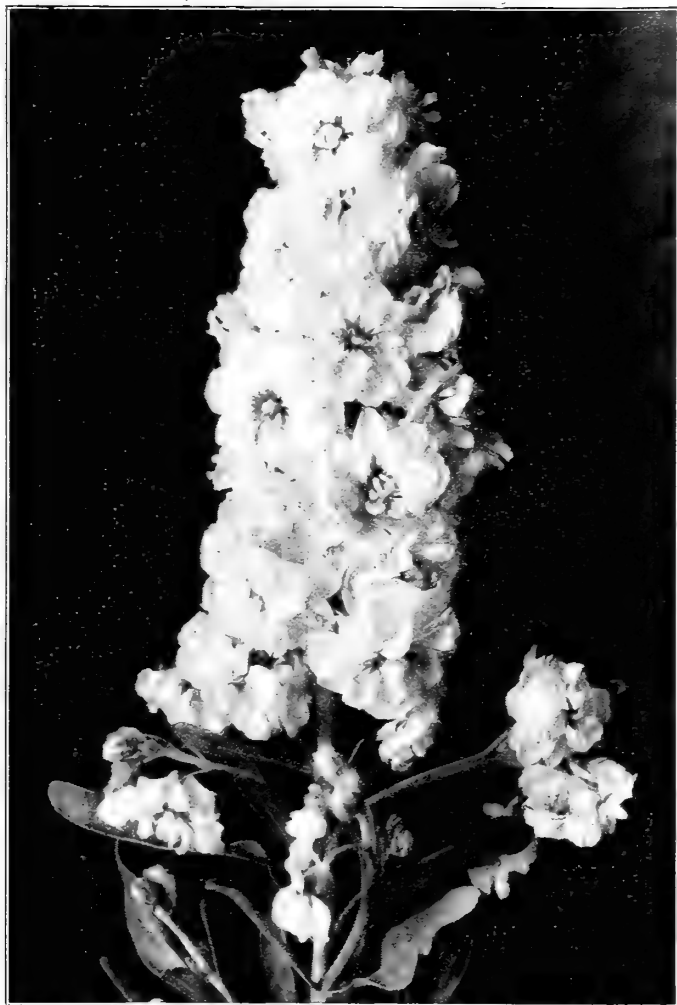
**Pansy-flowered.** The large smooth-edged Pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white, are extremely bright and attractive. ½ oz., \$1.00 .35 ....

## Sedum Bellum "Dondo"

### A NEW WINTER-BLOOMING POT PLANT

This new sedum forms dense little clumps literally covered with small white flowers. The plants grow 10-12 inches in height and when older the fleshy branches hang over the edge of the pots, forming a most charming and attractive subject. Trade pkt., 60c.

**SAPONARIA Vaccaria Rose.** Incorrectly spoken of as Pink Gypsophilia. The light graceful sprays of glistening flowers produced in greatest profusion. ¼ lb., 50c; lb., \$1.60 .... \$0.15  
**Vaccaria Alba.** White. .... lb., 1.40 .... .15  
**SMILAX.** .... lb., 6.00 \$0.15 .50  
**STATICE Suworowii.** Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming. .... .15 .80  
**STEVIA Serrata.** White, fine cut-flower. ¼ oz., 40c .25 ....  
**Lindleyana.** White. Is very useful for florist work. ½ oz., \$1.00 .50 ....



STOCKS Type of Improved Giant Bismarck

## Stocks

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by S. L. Emsweller, will be included in all orders for Column Stock seed.

### "NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

- ★Ball Blue. Dark lilac blue. Moonlight. Light yellow.
- ★Chamois Pink. Ruby. Rich crimson red.
- Malmaison Pink. Beautiful shell pink. ★Silvery Lilac.
- ★Lilac Lavender. Several shades darker than Silvery Lilac. Yellow Wonder. Best yellow, ¼ oz., \$3.50; oz., \$12.00.
- ★Ball Rose Pink (No. 14). A deep selection from Ball No. 11; a rose-pink, not a deep heavy rose. Long-stemmed, therefore about ten days later than Ball No. 11. Good market color. ★White tinged rose
- ★Vaughan's White No. 1. We especially recommend this, in our judgment, the finest pure white Non-Branching Column Stock in existence.

Each of the above: Except where noted otherwise, ½ trade pkt., 60c; trade pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

Non-Branching Column Special Florist Mixed. All colors. ½ trade pkt., 60c; trade pkt., \$1.00; ¼ oz., \$1.50.

American Beauty. Deep rose. ½ trade pkt., 60c; trade pkt., \$1.00; ¼ oz., \$2.80.

### STOCKS NON-BRANCHING COLUMN—Continued.

★Ball Pink (No. 11). Light rose-pink, exact shade of Bismarck Rose. Long-stemmed flowers, well placed on stem. A very pleasing color in the Non-Branching type. ½ trade pkt., 60c; trade pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

White No. 16. Semi-tall and extra compact pure white. ½ trade pkt., 60c; trade pkt., \$1.00; ¼ oz., \$2.50; oz., \$9.00.

Gardenia. New. Flowers of the purest white. Trade pkt., \$1.25; ½ oz., \$2.50; ¼ oz., \$4.50; ½ oz., \$8.00; oz., \$15.00

### GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"	Rose Carmine "Sequoia"
Blue "Pacific"	Rose "Yosemite"
Chamois "Santa Barbara"	Velvety Violet (Mojave).
Lavender "Tahoe"	White "Santa Maria"
Pink "Monterey"	Yellow "Golden Gate"

Each of the above, trade pkt., 35c; ½ oz., 65c; ¼ oz., \$1.15; oz., \$4.00.

Mixed, the above. Trade pkt., 25c; ½ oz., 60c; oz., \$3.40.

### SUPER GIANT IMPERIAL, 3 Ft.

A new group of Giant Imperial Stock bred and selected for florists' use. Like the Giant Imperial group, the plants are base branching, each plant producing 12 to 15 huge flower spikes. The individual florets are large and double, measuring 2 inches or more in diameter. When in full bloom, each spike will have from 40 to 50 florets blooming at the same time. This type is certain to become a florist favorite.

Blush Pink. Dark Blue. Fiery Red.

Rose Charm. A beautiful, rich deep rose.

Roselight, rose-pink.

Each of the above: ¼ oz., \$1.25; trade pkt., 50c.

### IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper Appleblossom. (Used by many for white).

★Buttercup. Deep golden yellow.

★Chamois. Dark Blue. Elk's Pride. Royal purple.

Flesh. Delicate pink. Fiery Blood-Red

Golden Rose ★Lavender ★Lilac Old Rose ★Rose

★Shasta. Vigorous, glistening white.

Trade pkt. Oz.

Each of the above: ¼ oz., 60c; ¼ oz., \$1.00 \$0.35 \$3.00

Giant Bismarck, Mixed. All colors: ¼ oz., 60c .25 2.20

### EARLY COLONIAL

Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose.

Priscilla. Silvery lavender.

Puritan. Pure white.

Each, tr. pkt., 50c

## Streptocarpus (Cape Primrose)

### NEW ENGLISH HYBRIDS

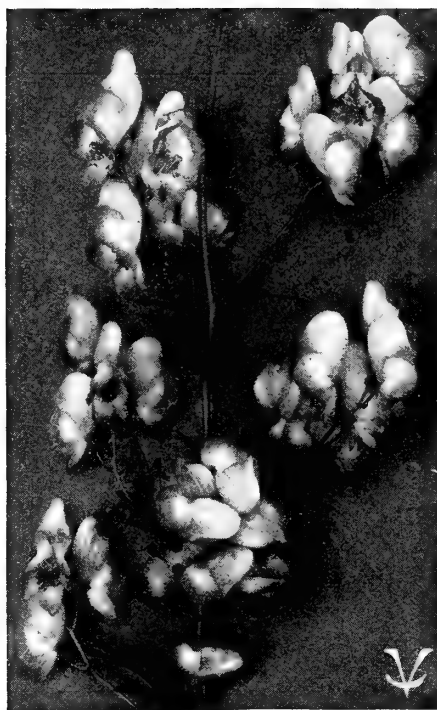
A superb strain with a wide range of colors. Lovely in shades of pink, mauve, lavender, white, deep rose, carmine and blue, some with white throats, others penciled. The flowers attain a diameter of 2 inches and over, similar to Gloxinias. They are borne on wiry stems. A fine pot plant for winter-blooming. The seeds are small and require but very little covering. For soil use the same as for Gloxinias and should be grown rather cooler than Gloxinias.

Largest Hybrids Mixed, Tr. pkt., \$1.00; ¼ oz., \$2.00.

### Suggestions for Sowing Seeds During the Summer Months

During the hot months of July and August fine seeds such as Calceolaria, Cineraria, Snapdragon, and finer perennial seeds, etc. should be sown in flats (as usual) and the flats placed in a cool basement until the seedlings sprout, when taken to greenhouse and some cheese cloth placed over them until the seedlings are of sufficient strength to have it removed.





ACONITUM Napellus



ANCHUSA Myosotidiflora.  
Tr. pkt., 50c.

One of the most attractive of spring blooming perennials. A real gem for the border.

Rock Plants are followed by X and the heights given are of the plants when in bloom.



ANTHEMIS Sancta Johannis.  
Tr. pkt., 25c; ¼ oz., 80c; oz., \$2.80.

## Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

### SEED GERMINATES SLOWLY AND IRREGULARLY

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

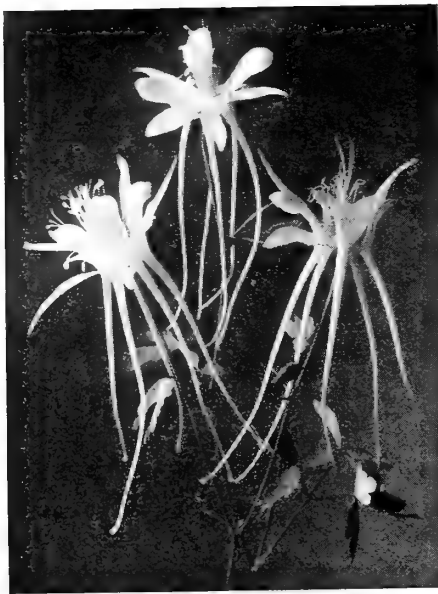
Acanthus Latifolius, Aconitum, Adonis Vernalis, Anemone, Asperula Odorata, Clematis, Delphinium Cardinale, Delphinium Zaliil, Delphinium Nudicaule, Dictamnus, Dielytra, Doronicum, Gentiana, Heliborus Niger, Incarvillea, Iris, Phlox Decussata, Primulas (Alpine) Trollius and nearly all Alpines.

<b>Acanthus</b> Latifolius (Bear's Breech). Fine foliaged decorative plant. 3 ft.....	Trade pkt.	Oz.
	\$0.10	\$0.40
<b>Achillea</b> Filipendula, Parker's Var. A splendid cut flower. The flowers, if cut when fully open, may be dried for later use. Yellow 3 ft.....	¼ oz., 70c	.25 2.40
Millefolium Kelwayi. Magenta red, 2 ft.....		.25 . . . .
Rubra. Magenta red, 24 in.....	¼ oz., 50c	.25 1.80
Parmica Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in.....	¼ oz., 70c	.25 2.40
Tomentosa Aurea. X Flowers are umbells of Buttercup yellow above close set mats of silver grey foliage, 6 in.....	½ oz., \$2.00	.50 . . . .
<b>Aconitum</b> (Monk's Hood). Fischeri. Azure Monk's hood, 1½ to 2 ft. Sept.-Oct. short spikes of clear blue flowers and bright glossy foliage.....		. . . .
Napellus. Dark blue, 36 in.....	¼ oz., 60c	.25 2.00
Wilsoni. Mid-blue, large and late flowering ¼ oz., 70c		.25 2.40
<u>Barker's Variety.</u> Branching habit, flowers pretty amethyst blue.....	¼ oz., 75c	.25 2.60
Mixed. Blue shades.....	¼ oz., 60c	.25 2.00
<b>Adlumia</b> Cirrhosa. Allegheny Vine. Beautiful rose flowers. Maidenhair Fern-like leaves are borne in great profusion on slender twining stems.....		.25 . . . .
<b>Adonis</b> Vernalis (Flower of the Gods, Ox Eye). Large golden yellow flowers, 12 in.....		.25 . . . .
<b>Aethionema</b> Coridifolium (Lebanon Candytuft). Light rosy purple, 8 in.....	½ oz., \$1.20	.35 . . . .
<b>Agathea</b> Coelestis (Blue Daisy). Pot grown plants in greenhouse, flower more freely. Plant seed in July, place in carnation house in fall. A few plants will supply useful blossoms all winter. 40 in.....	¼ oz., 50c	.25 . . . .
<b>Agrostemma</b> Flos Jovis. Carmine-rose, 16 in.....		.15 .50
Hybrida Walkeri. Brilliant rosy purple, 16 in.....		.15 .50
<b>Allium</b> Thibetica. Flowers on short stems in clusters are a lilac-mauve. Blooms during June and July...		.50 . . . .
<b>Allwoodii</b> , see Dianthus.		
<b>Alstroemeria</b> Aurantiaca. Neat upright growing plants with loose heads of brilliant orange flowers, 3 to 4 ft. Fine for cutting.....	¼ oz., 70c	.25 . . . .
Chilensis (Pulchella). Finest mixed.....		. . . .

<b>Alyssum</b> Argenteum. X Yellow-flowered, silvery foliage, 24 in.....	¼ oz., 50c	\$0.25 \$1.80
Rostratum. Yellow. Free-flowering in clustered heads, 16 in.....	¼ oz., 60c	.25 . . . .
Saxatile Compactum (Gold Dust). Golden yellow, 12 in.....	¼ oz., 25c	.15 .80
Sulphureum (Citrinum). Sulphur-yellow, 15 in.....	¼ oz., 60c	.25 2.60
Serpyllifolium. 2 to 3 in. plant, woody at base, covered with grey leaves, producing an abundance of small yellow flowers in April and May.....	¼ oz., \$1.40	.35 5.00
Rock Garden Perennial Species, Mixed.....	¼ oz., 1.00	.35 . . . .
<b>Ampelopsis</b> Veitchi, Boston Ivy. Clean seed. lb., 2.00		.10 .20
<b>Amsonia</b> Tabernaemontana. Free flowering perennial, long stems, with willow-like foliage and lovely heads of light blue flowers in panicles. Especially good for cutting and hardy border. 2 to 3 ft.....		.50 . . . .
<b>Anchusa</b> Affinis. Beauty lies in its gracious curves; uncurling racemes set with white-centered stars of imperial violet. Height, 40 in. Sown early it will flower first year.....	¼ oz., 70c	.35 2.40
Affinis Avalon Hybrids. Crosier sprays of delicate colors, starred in contrasting shades.....		.35 . . . .
Angustifolia. Navy-blue, 36 in.....		. . . .
Barrelieri, Earliest, dwarf, dark blue, 2½ ft. ¼ oz., 60c		.25 2.00
Italica, Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft.....	lb., \$4.00	.15 .40
<u>Dwarf Dropmore Variety</u> (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft.....	¼ oz., \$1.20	.35 4.00
Lissadell. Clear gentian-blue. 6 ft.....		.15 .60
Morning Glory. Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft., coming very true. Buds appear a rosy mauve but turn to clear blue as they open. ¼ oz., 50c		.25 1.60
Myosotidiflora. X A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart shaped basal leaves, for rock garden or border. Flowers in April and May. This seed should be placed in refrigerator for 72 hours before sowing.....	½ oz. \$1.80	.50 14.00

Unless otherwise quoted we supply ½ oz. at the ounce price and 4 oz. (of a variety) at the pound price.

## Seeds of Biennials and Hardy Perennials



AQUILEGIA Longissima. Hybrids Tr. pkt., 50c.

ANCHUSA—Continued.

AQUILEGIA Clematiflora. Mixed Tr. pkt., 50c.

ARMERIA Ruby  
Tr. pkt., 50c; 1/8 oz., \$1.00.

	Trade	pkt.	Oz.
Riparia. Sturdy upright plants, branching habit; flowers intense blue, dark and rich color that gives the illusion of reflecting light. A perennial that blooms the first year from seed.			\$0.35
Anemone (Windflower), Coronaria. Blue. 18 in.			
His Excellency. X Single, scarlet, 1 ft.	1/4 oz., 45c	.25	\$1.40
The Governor. X Double bright scarlet.	1/4 oz., 55c	.25	1.80
St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigids are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in.	1/4 oz., 80c	.35	2.80
Pulsatilla. X The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in.	1/4 oz., 65c	.25	2.20
Rubra. X Handsome red purple flowers.	1/4 oz., 85c	.30	2.80
Sylvestris. X The "Snowdrop Anemone." A rather tall growing anemone with pure white nodding flowers in April to June, 12 in.		.35	
Anthemis Kelwayii (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft.		.15	.60
Kelwayii Alba. Hardy white Marguerite, 3 ft.		.15	.80
Montana. X Charming species producing pure white flowers in abundance, 12 in.	1/4 oz., 40c	.25	....
Tinctoria. Very useful yellow border plant, 2 to 3 ft.		.15	.60
Perry's Variety. Light yellow, varies 2 ft.	1/4 oz., 40c	.25	1.40
Sancta Johannis. Brilliant yellow flowers about 1 1/2 in. in diameter, borne singly at the termination of straight stiff leafless stems, 9 to 12 in. in length. Borne in great freedom, definite value for cutting.	1/4 oz., 80c	.25	2.80
Antirrhinum Asarina. X Makes a close vertical mat of its fleshy angular stems and scalloped and ivy shaped green leaves. The large snapdragon flowers are a pale ivory yellow with a few streaks of red on lip. Appear in spring and continue all summer, 6 in.		.25	....

## AQUILEGIA X (Columbine)

Alpina. Blue. A beautiful short spurred form, 24 in.	1/4 oz., 50c	.25	1.80
Buergeriana. Delicate yellow flowers tinted with purple. 1 ft.		.35	....
California Hybrid. A light yellow, red spur. 3 ft.	1/4 oz., 50c	.25	1.80
Canadensis. Native variety, bright red and yellow, 30 in.	1/4 oz., 50c	.25	1.80
Chrysantha. Light chrome-yellow, fine, 36 in.	1/4 oz., 45c	.25	1.60
Chrysantha Silver Queen. Long-spurred silvery white, 2 ft.	1/4 oz., 70c	.25	2.40
Clematiflora. Mixed, new, spurless Columbine with beautiful open flowers like Clematis. Contains all lovely pastel shades.		.50	....
Coerulea Blue. X Sky-blue with white corolla. Rocky Mt. Columbine.	1/4 oz., 50c	.25	1.80

	Trade	pkt.	Oz.
AQUILEGIA X (Columbine)—Continued.			
Coerulea. Mrs. Nicholls. Deep blue and bolder flower than coerulea.	1/8 oz., 90c	\$0.50	....
Rose Queen. Shades of rose with white corolla, 30 in.	1/4 oz., 60c	.25	\$2.00
Dobbie's Imperial Hybrids. A very fine selection made by a European hybridizer.	1/4 oz., 85c	.35	3.00
Flabellata Nana Alba. Pure white early flowering 12 in.	1/8 oz., \$1.50	.50	....
Glandulosa Vera. Enormous, spurless flowers of the loveliest and purest sapphire with white corolla, 12 to 18 in.		.75	....
Longissima. Long spurred delicate yellow.	1/6 oz., \$3.00	1.00	....
Longissima Hybrids. Very long spurred variety in many attractive shades.		.50	....
Long-Spurred Blue Shades.	1/4 oz., 85c	.35	2.80
Blue shades. Special selection.	1/8 oz., \$1.00	.50	....
Copper Queen. Copper-red, straw-colored corolla, 18 in.	1/4 oz., 85c	.35	2.80
Crimson Star. Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems.	1/4 oz., \$2.00; 1/8 oz., \$1.20	.50	....
Orange and Scarlet Shades.	1/4 oz., 90c	.35	3.00
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc.	1/4 oz., 85c	.35	2.80
Special Mixture of Long Spurred Varieties. A mixture of superior American and English strains.	1/4 oz., 1.00	.35	3.60
Red Riding Hood. Umbrella-like old rose calyx, above a pure white double corolla.		.50	....
Rainbow Mixture of Colorado varieties. Many charming colors of our native Columbine.	1/4 oz., 85c	.35	3.00
Skinneri. Scarlet spurs with yellowish green corolla.	1/4 oz., 65c	.25	2.20
Suaveolens. 25 in. Flowers a delightful blending of cream and lilac, fragrant, with lacy foliage.		.50	....
Talisman (Jaetschaut). Large yellow with red spurs.		....	....
Vulgaris Compacta Edelweiss. The plants are 16 to 20 inches high, and covered with large, erect, snow-white blossoms in early spring.	1/4 oz., 85c	.25	....
Double White. Attractive old fashioned variety. 30 in.		.25	....
Double Old Rose. 36 in.		.25	....
Vaughan's Special Mixture. All types.	1/4 oz., 85c	.35	3.00
Arabis X Alpina. White, 1 ft.	1/4 oz., 35c	.25	1.00
Alpina Grandiflora Superba. Large white, 1 ft.		.25	....
Nana Compacta. White 8 in.	1/4 oz., 70c	.25	2.40
Rosea, Pink. 1 ft.	1/4 oz., \$1.20	.35	....
Snow Cap. Extremely dwarf and compact habit, really shining snow-white cushions of flowers.		.25	....
Spring Charm. Intense carmine flowers, bushy plant. 8 in.		.50	....

# Seeds of Biennials and Hardy Perennials

	Tr. pkt.	Oz.
<b>Arenaria Montana.</b> X Makes broad masses of slender foliage 3 to 4 in. deep, which are smothered with large white flowers in late spring, needs sun and well drained soil, 12 in. ....		
<b>Aristolochia Siphon</b> (Dutchman's Pipe). Large-leaved. ....		
Tomentosa. Small leaf. ....	1/4 oz., 40c	\$0.25 \$1.40
<b>Armeria</b> X Alpina. Deep rose, 12 in. ....	.50	
Formosa. Red. 2 ft. ....	1/4 oz., 60c	.25 2.20
Formosa. Large Flowering Hybrids. 2 ft. ....	1/4 oz., 40c	.25 1.40
Glory of Holland. Giant pink. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems of 24 inches high, throughout the summer. Extra fine for cutting. ....	1/2 oz., \$1.00	.50 7.00
Lauchiana. Rosy crimson. Evergreen foliage. 9 in. ....	1/4 oz., \$1.20	.35 4.00
Maritima. Lilac-rose. Foliage grass like, evergreen. 12 in. ....	.50	
Ruby. Deep rose-colored flowers, 24 in. ....	1/8 oz., \$1.00	.50 6.40
<b>Asclepias Tuberosa</b> (Butterfly Weed). Produces umbels of varying orange colored flowers, lovely to cut and last a long time. 24 in. ....	1/4 oz., 50c	.25 1.60
<b>Asparagus Spitzenschleier</b> (Lace Veil). Far finer in foliage density. Better than Verticillatus and just as hardy. 100 seeds, \$1.00; 250 seeds, \$2.20; 1,000 seeds, \$8.00. ....		
<b>Asperula Hexaphylla.</b> White, excellent for cutting, 3 ft. ....	.25	
Odorata (Woodruff). Very fragrant, white, 12 in. ....		
<b>Asphodelus Luteus.</b> Yellow, fragrant, 3 ft. ....	1/4 oz., \$1.00	.25
<b>Aster Perennial.</b> Large-Flowering Varieties, mixed. ....	1/4 oz., 90c	.35 3.20
Alpinus. Light blue. 1 ft. ....	1/4 oz., 85c	.35 3.00
Albus. Pure white. 1 ft. ....	.35	
Dark Beauty. Deep blue, 1 ft. ....		
Goliath. X Soft blue, largest flowered, fine, 15 in. ....	.35	
Ruber. Rosy lavender (varies) ....		
Mixed, 15 in. ....	1/4 oz., 85c	.35
Amellus Hybridus. New named varieties, finest mixed, 30 in. ....	1/4 oz., 90c	.35
Beauty of Ronsdorf. Large lilac-rose flowers in great profusion; plants two feet high, branching freely; blooms in August-Sept. ....	.50	
Roseus. Very like the Beauty of Ronsdorf, except in color, which is a clear rose. 30 in. ....	.50	
Farreri. X Color is a soft tone of violet-mauve, with large golden orange disc, and flowers are from 2 to 3 inches across. June and July; creeping. ....	.50	
Frikartii. (Wonder of Stafa). Long rayed lavender blossoms of immense size. Seeds of this Aster should be sown in outdoor seed beds in very late autumn or in early spring. The seed needs cool soil conditions for germination. ....	.50	
Hybridus Luteus. Giant sprays of primrose yellow. ....	.50	
Sub-Coeruleus. Large light blue. ....	.35	
Wartburg Star (Star of Eisenach). May. A giant-flowered variety of the subcoeruleus type. Bright four inch lavender-blue Marguerites with yellow centers. ....	.50	
Yunnanensis. Brilliant lilac-blue, flowers in early summer, 15 in. ....	.50	
<b>Aubrietia.</b> Semi-double Hybrids. Produces 75% large semi-double flowers in all known colors of this family and many new art shades. ....	.75	
New Giant Flowered. All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended. ....	.50	
Large-Flowered Hybrids. X Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in. ....	1/4 oz., 50c	.25 1.60
Bougainvillei. X Dark blue, 6 in. ....	1/4 oz., 85c	.35 3.00
Deltoidea. X Lilac, 6 in. ....	1/4 oz., 60c	.25 2.20
Eyrii. X Free flowering large blue. ....	1/4 oz., 70c	.25
Graeca. Large blue free flowering, 6 in. ....	1/4 oz., 60c	.25
Leichtlini. X Large-flowered, rosy purple. ....	1/8 oz., 45c	.25
Rosea Grandiflora. X Pink, 6 in. ....	1/8 oz., 40c	.25 2.80
Whitwell Gem. X Glowing rosy purple with slight tinge of blue, 6 in. ....	1/8 oz., 60c	.25
<b>Auricula.</b> See Primula.		
<b>Baby's Breath.</b> See Gypsophila Paniculata.		
<b>Baptisia Australis</b> (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers. 2-4 ft., lb., \$4.00	.10	.40
<b>Bellis Perennis</b> X or English Daisy, 6 in. ....		
Longfellow. Double dark rose. ....	1/4 oz., 70c	.25 2.40

Rock Plants are followed by X and the heights given are of the plants when in bloom.

## BELLIS—Continued.

Tr. pkt. Oz.

Long Stemmed Excelsa Rose. The lovely rose color of its large flowers, with their strong eight-inch-long stems, makes this dainty English Daisy a fine cut flower, nice for corsages, baby crib, and table decoration. ....	1/8 oz., \$1.60	\$0.50	
Snowball. Double white. ....	1/4 oz., 60c	.25	\$2.20
White with red center. ....	1/8 oz., 60c	.25	
Monstrosa, Double Pink. ....	1/4 oz., 95c	.35	3.20
Double Crimson. ....	1/8 oz., \$1.00	.50	
Double Red (dark rose). ....	1/8 oz., \$1.00	.50	
Double White. ....	1/4 oz., \$1.20	.35	4.00
Double mixed. ....	1/4 oz., 80c	.35	2.80
Tubulosa Aetna. Rich deep red. ....	1/8 oz., \$1.00	.50	
Bernina, white passing to pink. ....	1/8 oz., 80c	.35	
Glory of Frankfurt, brilliant dark red. ....			
Monterosa, rose. ....	1/8 oz., 90c	.50	
Titlis, carmine. ....			
Mixed. ....	1/8 oz., 90c	.50	
Super Giant White—The largest flowered white. ....		.50	
Super Giant Red. ....		.50	
Super Giant Rose. ....	1/16 oz., \$1.00	.50	
Super Giant Mixed. ....		.50	
Tubulosa Atrosanguinea. Double quilled dark red. ....		.50	
Vaughan's Special Mixture. ....	1/8 oz., 90c; 1/4 oz., \$1.60	.50	
<b>Betonica Grandiflora.</b> Red-purple flower-heads, 1 ft. ....		.25	
Good border plant. ....			
<b>Bignonia Radicans</b> (Trumpet Vine). Dark red, orange throat. ....		.15	.50
<b>Blackberry Lily</b> (Belamcanda Chinensis). A perennial of easy culture in rich sandy loam in a sunny spot. Flowers orange spotted red. Seed stalks may be used in winter bouquets—are clusters of shining black seeds. ....		.25	
<b>Bocconia Japonica</b> (Plume Poppy). The plants grow 6 to 7 ft. high and the large finely cut leaves are topped by huge flower spikes, carrying creamy white blossoms. ....		.15	.80
<b>Boltonia Asteroides.</b> White daisy flowers, 4-6 ft. ....			
Latisquama. Delicate pink, 4-5 ft. ....	1/4 oz., 60c	.25	2.00
<b>Bupthalamum Salicifolium.</b> Yellow, 18 in. ....	1/4 oz., 40c	.25	1.40
<b>Calamintha Alpina.</b> X Purple, 6 in. ....		.50	
<b>Callirhoe Involucrata.</b> X Large crimson flowers, trailing habit, very showy, 6 in. ....	1/4 oz., 85c	.35	2.80

## CAMPANULA PERENNIAL SORTS

Alliariaefolia. From a dense tuft of leaves at the ground the stems rise to 2 to 3 ft. high, bear many creamy white flowers. ....	.25	
Carpatica X (Hare Bell). Forms a quickly widening tuft of neat foliage above which are borne on slender, branched erect stems, wide cup-shaped upright blooms of a glistening light violet blue, 9 in. ....	1/4 oz., 30c	.15 1.00
Alba. X White, 9 in. ....	1/4 oz., 30c	.15 1.00
Mixed. X. ....	1/4 oz., 30c	.15 1.00
Collina. X Upright, compact, bushy habit. In May and June are thickly covered with intense campanula blue pendent flowers. Excellent for rockery and alpine gardens. ....	.50	
Cullinmore. A lovely hybrid form of Carpatica and other dwarf-growing species. Much more prolific than Carpatica. Its flowers of various shades of blue are produced all summer. Very nice edging plant or for the rock garden. ....	.50	
Fragilis. Blue Star of Bethlehem. Blue, splendid for hanging baskets. ....	.50	
Garganica. X A compact and tufty plant with pendant flowering branches. The flowers are blue with a white eye. 4 in. ....	1/2 oz., \$1.50	.75
Glomerata Superba (Clustered Bellflower). Beautiful dark violet flowers borne in clusters at the top and all the way up the stalks. June-July. 20 in. ....	.50	
Lactiflora Coerulea. Light blue, 3 ft. ....	1/4 oz., 50c	.25 1.80
Latifolia Macrantha. Blue, large-fld., 40 in. ....	1/4 oz., 60c	.25 2.20
Macrantha Alba. White, 40 in. ....		
Persicifolia (Peach Bell) Alba. White, fine, 30 in. ....	1/4 oz., 50c	.25 1.80
Alba Plena. Double white. ....	.25	
Grandiflora Fl. Pl. Moerheimi. Flowers large, semi-double, cup-shaped, pure white. 2 ft. ....		
Coerulea. Blue, 30 in. ....	1/4 oz., 50c	.25 1.80
Coerulea Plena. Double blue, 30 in. ....	1/4 oz., 80c	.25 2.80

The double varieties of Campanula Persicifolia come about 50% true from seed.

## Seeds of Biennials and Hardy Perennials

CAMPANULA (Persicifolia)—Continued.

Trade pkt. Oz.

Telham Beauty. Very large bells of China blue, varies, 30 in. ....	$\frac{1}{8}$ oz., \$1.50	\$0.50	....
Wedgehead. Large flowers of deep violet blue. will do good in full sun or partial shade. If sprays of buds are cut and put in water, they open to charming flowers which are useful for decorative purposes. ....	$\frac{1}{4}$ oz., 60c	.25	\$2.20
Single mixed. ....	$\frac{1}{4}$ oz., 60c	.25	
Punctata. 28 in. Plants form rambling foliage mats with flower stalks of varying height from which hang big, pendant bells which are waxen without, downy within. Creamy pink to purple. ....		.50	....
Pusilla. X Thimble shaped flowers of rich blue, carried on stems 4 in. high, which rise from a tuft of small, soft green leaves, July, 4 in. ....		.50	....
Pyramidalis Alba. White, 5 ft. ....	$\frac{1}{4}$ oz., 50c	.25	1.80
Blue. Lavender-blue, 5 ft. ....	$\frac{1}{4}$ oz., 50c	.25	1.80
Mixed. ....	$\frac{1}{4}$ oz., 45c	.25	1.80
Rotundifolia (Scotch Blue Bell). X Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in fall, 6-12 in. ....	$\frac{1}{4}$ oz., \$1.20	.35	4.00
Olympica. X Light blue. 10 to 12 in. ....	$\frac{1}{16}$ oz., 1.00	.50	
Trachelium (Coventry Bells). Crowded heads of lavender-blue flowers, 2-3 ft., varies. ....		.15	1.00
Turbinata. X Forms close mats of foliage and bears large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it. ....		.35	....
Alba. X White, 18 in. ....			
Perennial Varieties. Mixed. ....	$\frac{1}{4}$ oz., 50c	.25	1.80
Rock Garden Varieties. Mixed. ....	$\frac{1}{4}$ oz., 75c	.25	....

### CAMPANULA BIENNIAL SORTS

Medium Calycanthema, Cup and Saucer. Dark, Blue, Lilac, Rose and White, each 36 inch. ....	$\frac{1}{4}$ oz., 40c	.15	1.40
Calycanthema Mixed. ....	$\frac{1}{4}$ oz., 40c	.15	1.20
Dwarf Canterbury Bells. Mixed. A neat dwarf compact type with glorious giant flowers of various colors. It is very floriferous and is ideal for spring bedding, 20 in. ....	$\frac{1}{4}$ oz., 60c	.25	2.00
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each. ....		.10	.40
Single Mixed. ....		.10	.30
Double Blue. ....	$\frac{1}{4}$ oz., 30c	.15	1.00
Rose. ....	$\frac{1}{4}$ oz., 45c	.20	1.40
White. ....	$\frac{1}{4}$ oz., 45c	.20	1.40
Mixed. ....	$\frac{1}{4}$ oz., 35c	.15	1.00
Double and single mixed. ....		.15	.60
Candytuft X Gibraltarica. 1 ft. Large flowers, lilac shaded to white. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Jucunda (Lebanon Candytuft). Dwarf pretty pink, 4 in. ....	$\frac{1}{8}$ oz., \$1.20	.35	....
Queen of Italy. Dwarf evergreen foliage, rosy lilac, 10 in. ....		.15	.60
Sempervirens, 12 in. White. ....	$\frac{1}{4}$ oz., 50c	.25	1.40
Tenoreana, 16 in. Lilac and white. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Canterbury Bells. See Campanula Medium.			
Carnation, Vienna Dwarf. Mixed. ....		.25	....
Grenadin Red. Half high. 20 in. ....	$\frac{1}{4}$ oz., \$1.00	.35	....
Red. Dwarf. 14 in. ....	$\frac{1}{4}$ oz., \$1.00	.35	....
Golden Sun. Golden yellow. ....		.50	....
White, 20 in. ....	$\frac{1}{4}$ oz., \$1.00	.35	3.20
Tausendschon. Soft salmon-rose to bright pink. ....	$\frac{1}{4}$ oz., 90c	.35	....
Triumph Rose, 20 in. ....	$\frac{1}{4}$ oz., \$1.00	.35	....
King of the Blacks. Darkest red, very fine. 20 in. ....	$\frac{1}{4}$ oz., \$1.00	.35	3.20
Mixed. ....	$\frac{1}{4}$ oz., 90c	.35	....
Caryopteris Mastacanthus Superbus Mixed. An interesting shrubby plant 2 ft. tall. Easily raised from seed. Blooms freely during September and October, silvery green foliage. ....	$\frac{1}{4}$ oz., 50c	.25	....
Blue. Known as "Blue Spiraea. ....		.25	....
White. ....		.25	....
Cassia Marylandica (Indian Senna). Racemes of showy yellow flowers, 30 in. ....	$\frac{1}{4}$ oz., 40c	.25	1.40
Catananche Coerulea. Chaff-like brilliant blue flowers, resembling those of the Everlasting. Useful for cutting. 30 in. ....	$\frac{1}{4}$ oz., 40c	.25	1.40
Coerulea Alba, White, dark eye, 30 in. ....	$\frac{1}{4}$ oz., 40c	.25	....
Centaurea Dealbata. Large and striking rose pink flowers. Graceful silvery leaves, 18 in. ....	$\frac{1}{4}$ oz., 40c	.25	1.40
Macrocephala. Radiant yellow thistle-like blooms often 4 in. across, 36 in. ....	$\frac{1}{4}$ oz., 40c	.20	1.20
Montana. Cornflower blue, 24 in. ....	$\frac{1}{4}$ oz., 35c	.25	1.00



SHASTA DAISY—Diener's Double Giant

CENTAUREA—Continued.

Trade pkt. Oz.

Montana Alba. White, superb large flowers, 24 in. ....	$\frac{1}{4}$ oz., 35c	\$0.20	....
Ruthenica. Light yellow, 4 ft. ....	$\frac{1}{4}$ oz., 80c	.25	\$2.80
Perennial sorts mixed. ....	$\frac{1}{4}$ oz., 60c	.25	2.00
Cephalaria Alpina. Sulphur-yellow, 5 ft. ....	$\frac{1}{4}$ oz., 75c	.25	....
Cerastium X Tomentosum (Snowin Summer). Silvery white foliage, white flowers, 16 in. ....	$\frac{1}{4}$ oz., 40c	.25	1.40
Cheiranthus Allionii. Brilliant orange, 16 in., lb., \$3.00. ....		.10	.30
Golden Bedder. Deep golden yellow flowers, sweetly scented, long flowering. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in. ....	$\frac{1}{4}$ oz., 65c	.25	....
Linifolius. Lilac, 18 in. ....	$\frac{1}{4}$ oz., 40c	.15	1.30
Chelone Barbata Coccinea. Scarlet with yellow, 4 ft. ....		.15	.80
Barbata Praecox. (Early Flg.) Pink to cherry-red, in pretty spikes; a desirable cut flower. ....	3 to 4 ft.	.15	.60
Torreyi. Brick-red, 4 ft. ....	$\frac{1}{4}$ oz., 30c	.15	1.00
Hybrida. Mixed, 4 ft. ....		.15	.60
Nana. Dwarf Mixed, 16 in. ....		.25	....
Clove Pink. See Dianthus Plumarius.			

### CHRYSANthemum

Leucanthemum (Spring Marguerite). Early flowering, white. 36 in., "Mother's Day." ....		.15	.80
Maximum Avalanche. Forms compact bushes 2 ft. high. Producing large white Marguerites, practically covering the plant. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Dwarf Bouquet. Blooms from seed the first year. Forms a bouquet of pure white flowers. The blooms have very small centers. Plants are 12-15 inches tall. The stems come from the base and do not branch. ....	$\frac{1}{4}$ oz., 60c	.25	2.00
Conqueror (Victor). Giant flowered white. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Elder Daisy. Early blooming, smaller flowering than Alaska, but more flowers. ....	$\frac{1}{4}$ oz., 25c	.15	.80
King Edward VII. White. ....	$\frac{1}{4}$ oz., 25c	.15	.80
Laciniatum, Comet Marguerite white, 3 ft. ....		.25	....
Mrs. C. Lothian Bell. Single white, 3 ft. ....	$\frac{1}{4}$ oz., 40c	.25	1.40
White Fairy. New Long Stemmed, Giant white fringed flowers in clusters of 5 to 7 flowers on one stem. Blooms in July and August. ....	$\frac{1}{4}$ oz., 65c	.35	2.00
Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large flowering single and semi-double. ....	$\frac{1}{8}$ oz., \$2.00	1.00	....
Mawii. Rich pink flowers two inches across, silvery foliage, 1 ft. ....	$\frac{1}{4}$ oz., \$1.20	.35	....
Cimicifuga Simplex. Shade loving perennial. Feathery racemes of pure white, slender drooping spikes. ....	$\frac{1}{4}$ oz., 50c	.25	1.80



# Seeds of Biennials and Hardy Perennials

<b>Clematis</b> <i>Paniculata</i> . Panicles of misty white, fragrant Tr. pkt. Oz.		
flowers in late summer.....lb., \$3.20	\$0.10	\$0.30
<b>Recta Grandiflora</b> . Dark leaved. This is an improved strain, possessing a compact habit and not sprawly as is the usual character. The foliage is a rich dark glossy green, which is much more effective than the light green of the type..... $\frac{1}{4}$ oz., 65c	.35	2.00
<b>Columbine</b> . See <i>Aquilegia</i> .		
<b>Coreopsis</b> <i>Lanceolata Grandiflora</i> . Very large golden yellow flowers, long stemmed, excellent for cutting,.....lb., \$2.40	.10	.30
<i>Lanceolata Auriculata Superba</i> Diadem. Dark yellow with band of brownish red around disc. 3 ft. ....	.15	.60
<b>Double Sunburst</b> (Double New Gold). Large double flowers $1\frac{1}{2}$ to 2 in. across..... $\frac{1}{4}$ oz., 25c	.15	.80
<b>Mayfield Giant</b> . Best large deep golden yellow... ..	.15	.60
<i>Verticillata</i> . 18 in. Heads of rich golden yellow flowers on tall, erect yet slender stems. Leaves feathery.....	.25	....
<b>Corydalis</b> $\times$ <i>Cheilanthesifolia</i> . Fern-like foliage, golden yellow flower spikes. April-Oct. 20 in.....	.50	....
<i>Sempervirens Rosea</i> . Another exquisite plant with beautiful blue gray lacy foliage, lovely air swung blossoms in purest pink with gold tip. 12 to 18 inches..... $\frac{1}{16}$ oz., \$1.20	.50	....
<b>Crucianella</b> $\times$ <i>Stylosa</i> . A pretty rock and border plant, makes low delicate masses 6 in. or so in height with pretty pink flowers.....	.15	.60
<b>Cyclamen</b> $\times$ <i>Europaeum</i> . Bears rosy crimson sweet scented flowers from July to Nov., the leaves appearing before and with the flowers. The foliage is marbled with silver remaining all winter, drying off in spring. ....100 seeds, 50c; 1000 seeds \$3.50	....	....
<b>Cynoglossum</b> <i>Nervosum</i> . A perennial, Chinese Forgetmenot, large blue flowers in May.... $\frac{1}{8}$ oz., 90c	.35	....
<b>Daisy</b> . See <i>Bellis</i> , <i>Agathea</i> , <i>Chrysanthemum Maximum</i> and <i>Pyrethrum</i> .		

## Delphinium

<b>PACIFIC GIANT</b> (Vetterle and Reinelt). This new strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers <b>do not shatter</b> and represent a truly outstanding addition to the cut flower market.		
<b>Black Knight Series</b> . The darkest of them all. Individual flowers of beautiful round form, with heavy velvety texture, which gives the color luminosity and vividness not seen before. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$3.00.		
<b>Blue Bird</b> . A clear medium blue with huge tall spikes. The most outstanding novelty. Trade pkt., \$1.25.		
<b>Blue Jay</b> . Medium to dark blue with dark bee. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$3.00.		
<b>Cameliard Series</b> . This is a pure lavender self, with white bee, the individual flowers, are very round and flat. Beautifully balanced spikes combine with excellent growing habits. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$3.50; $\frac{1}{4}$ oz., \$6.50.		
<b>Galahad Series</b> . Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture, pyramidal spikes with well spaced flowers, good branching habit. Trade pkt., \$1.50; $\frac{1}{8}$ oz., \$4.00; $\frac{1}{4}$ oz., \$7.00; oz., \$24.00.		
<b>Guinevere</b> . Light pink lavender self with white bee. Individual floret 2 $\frac{1}{2}$ to 3 inches in diameter, large spikes. Excellent branching habits. For cut flowers and show purposes. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.20; oz., \$15.00.		
<b>King Arthur</b> . Brilliant royal violet with large white bee. Individual florets 2 $\frac{1}{2}$ inches in diameter, very thin woody stems with small foliage. Very long graceful spikes. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50.		
<b>Lancelot Series</b> . A new color in Delphinium of pure lilac self tone with white bee. Individual flowers 2 to 2 $\frac{1}{2}$ inches in diameter. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.80; oz., \$12.00.		
<b>Summer Skies</b> . Clearest light blue with white bee. Individual florets 2 to 2 $\frac{1}{2}$ inches in diameter. Thin woody stems with very strong branching habits. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50.		
<b>Round Table Series</b> . As the name implies this represents all of the color combinations of the above Knights and their Ladies. This year some three hundred different crosses were used to make up this group, combining all the newest color developments and possessing size that will make them invaluable for show purposes. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50; oz., \$12.00.		



DELPHINIUM PACIFIC HYBRIDS

### DELPHINIUM Pacific Hybrids—Continued.

<b>Clear White</b> . Individual florets 2 to 2 $\frac{1}{2}$ inches in diameter. Well placed on large well balanced spikes. Clear glistening white with heavy texture. Excellent for show purposes. Not Mildew resistant. Trade pkt., \$1.25; $\frac{1}{8}$ oz., \$2.50; $\frac{1}{4}$ oz., \$4.00; oz., \$14.00.		
<b>Pacific Giant Dark Blue Shades</b> .		
<b>Pacific Giant Light Blue Shades</b> .		
<b>Pacific Medium Blue Shades</b> .		
<b>Pacific Giant Lavender Pastel Shades</b> . Color range from light lavender to deep smoky lavender, generally of two tone combinations with brown or black bees.		
<b>Pacific Giant Mixed</b> .		
<b>Each of above 5</b> : Trade pkt., \$1.00; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50; oz., \$12.00.		
<b>Blackmore and Langdon Strain, Mixed</b> . Tall, graceful Tr. pkt. Oz		
spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors. $\frac{1}{4}$ oz., 80c;.....		
.....lb., \$34.00	\$0.50	\$2.80
<b>Wrexham Strain</b> (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. ....lb., \$52.00; $\frac{1}{4}$ lb., \$15.00; $\frac{1}{4}$ oz., \$1.35	.50	4.80
<b>Wrexham Strain</b> . Art shades..... $\frac{1}{4}$ oz., \$1.65	.75	6.00
<b>Deep Blue Shades</b> ..... $\frac{1}{4}$ oz., 1.65	.75	6.00
<b>Light Blue Shades</b> ..... $\frac{1}{4}$ oz., 1.65	.75	6.00
<b>Mid-Blue Shades</b> ..... $\frac{1}{4}$ oz., 1.65	.75	6.00
<b>Double Selecta</b> . Mixed, producing 90% extra double flowers of large size and excellent color variation. ....	....	....
<b>Gold Medal Hybrids</b> . Extra choice strain...lb., \$14.00	.25	1.40
<b>Vaughan's Special Mixture</b> . Perennial varieties. ....		
..... $\frac{1}{4}$ oz., \$1.35	.50	5.00
<b>Belladonna</b> . Blue Grotto. Deep blue, bee royal purple with cream center..... $\frac{1}{4}$ oz., 70c	.35	2.40
<b>Light Blue, Improved</b> . Light blue, large flowered, strong grower, 4 to 5 ft.....lb., \$26.00	.35	2.40
<b>Lamartine</b> . The flowers are a rich, deep blue with a pure white eye. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost..... $\frac{1}{4}$ oz., \$1.20	.50	4.00
<b>Bellamosum Improved</b> . Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft.....		
.....lb., \$28.00; $\frac{1}{4}$ oz., 65c	.35	2.20

## Seeds of Biennials and Hardy Perennials

DELPHINIUM—Continued.

Trade pkt. Oz.

Cardinale. Fine scarlet flowers, yellow center, 30 in.	1/4 oz., 65c	\$0.35	\$2.20
Chinense Album Grandiflorum. White, 36 in.	1/4 oz., 35c	.20	.80
Coeruleum Grandiflorum. Gentian blue.	1/4 oz., 35c	.20	1.00
Cambridge Blue. Rich belladonna blue.	1/4 oz., 60c	.35	2.20
Dark Blue. 36 in.	1/4 oz., 35c	.20	1.00
Azure Fairy. Soft azure-blue, 20 in.	1/4 oz., 35c	.20	1.20
Tom Thumb Ultramarine. A dwarf species, with fine feathery foliage with beautiful flowers in open panicles in ultramarine-blue, 1 ft.		.20	1.00
Mixed.		.15	.80
Elatum Hybridum Indigo, True Blue. 5 ft.	1/4 oz., 80c	.35	2.80
Nudicaule. X Brilliant scarlet with peach-red interior, 30 in.	1/4 oz., \$1.25	.35	4.00
Zalil or Sulphureum. Yellow, orchid-like flowers, 6 ft.		...	...
Daisy, Shasta, Alaska. Best white, American-grown, 40 in.	1/4 oz., 30c	.15	1.00
Diener's Giant Double Shasta. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months. The first year flowers appear with a high percentage of Singles. The second year they act like Pyrethrum Double in that they show practically 100% doubles.	1/8 oz., \$1.80	.50	10.00
Diener's Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2 1/2 to 3 feet long. Originator's seed.		.50	...
Diener's Fancy Chiffon Shasta Daisy Glendale. The flowers are 2 inches across, have fringed and laciniated petals, interlaced, which are borne on strong stems. Seed from originator.		.50	...
Westralia. Very large and early. White. 40 in.	1/4 oz., 30c	.15	1.00
White Lady. Earlier than Giant Double but not as large, produces quite a number of flowers the first year if sown early. The percentage of doubles is about 50%.		.50	...

### DIANTHUS BARBATUS—Sweet William

Double Blood-red (Atrosanguineus pl.) 20 in.	1/4 oz., 50c	.25	1.00
Roseus. Double Pink.	1/4 oz., 50c	.25	1.60
Nigrescens. Almost black.	1/4 oz., 40c	.20	1.20
Salmon-Rose.	1/4 oz., 85c	.35	3.00
White.	1/4 oz., 45c	.25	1.40
Mammoth Flowered. Mixed.		.35	...
Dwarf Midget Mixed.	1/4 oz., 50c	.25	1.80
Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.			
Single Blood-red (Atrosanguineus).		.15	.60
Copper-Red.		.15	.80
Diadematus. Crimson with white eye.		.15	.60
Garnet Red with a white eye.		...	...
Giant Auricula Eyed. White ground.		...	...
Giant White. Enormous trusses of bloom.	1/4 oz., 40c	.20	1.20
Homeland. A most unusual color, dark red with large, sharply defined clear white center.		.75	...
Nigrescens. Very dark, almost black.		.15	.60
Newport Pink Salmon-pink.	1/4 oz., 35c; lb., \$12.00	.20	1.00
Pink Beauty. Clear pink.	1/4 oz., 25c	.15	.80
Purple Beauty. Bright deep purple.	1/4 oz., 45c	.20	...
Scarlet Beauty. Scarlet.	1/4 oz., 45c	.20	1.40
Turkey-Red.	1/4 oz., 35c	.15	...
Dwarf Midget Mixed.	1/4 oz., \$1.40	.50	5.00
Superb Mixture of New Colors.	1/4 oz., 50c	.25	...
Mammoth Flowered. Single mixed.	lb., \$6.00	.15	.60
Vaughan's Special Mixture. Double and single of above choice varieties.	1/4 oz., 70c	.35	2.40

### DIANTHUS PLUMARIUS—Clove Pinks X

Albus Plenus. Double white.	1/4 oz., \$1.40	.50	5.00
Cyclops. Red Hybrids.	1/4 oz., 70c	.35	...
Highland Queen. Bright crimson.		.50	...
Highland Rose Hybrids Mixed. Beautiful and varied mixture, especially noted for their fragrance and long flowering.	1/4 oz., \$1.00	.35	3.60
Little Jock Hybrids. The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50% of them are double.	1/8 oz., \$1.20	.50	...
Scoticus fl. pl. Double-Scotch. Mixed. An extra choice strain.	1/16 oz., \$1.25	.75	...



### SWEET WILLIAM Single "Midget" MIXED COLORS

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 50c; 1/4 oz., \$1.40; oz., \$5.00.

DIANTHUS PLUMARIUS—Continued.

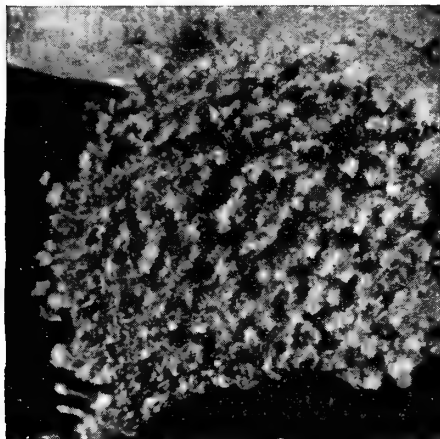
Tr. pkt. Oz.

Spring Beauty. Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant.	1/4 oz., 90c	\$0.35	\$3.20
Double. Fine mixed.	1/4 oz., 50c	.25	1.80
Double Early-Flowering. Dwarf Mixed.	1/4 oz., 60c	.25	2.00
Semperflorens. Double and Semi-Double Mixed.	1/4 oz., 30c	.15	1.00
Vaughan's Special Mixture.	1/4 oz., 85c	.35	2.80

### DIANTHUS—SORTS

Allwoodii. X 18 in. Mixed colors. Double, semi-double and single flowers in a wide color range.	1/8 oz., \$1.00	.35	...
Alpinus. Mixed colors. X Glossy leaves, large flowers various shades of pink and rose.	1/4 oz., \$1.20	.35	...
Arenarius. Sand Pink. Small white fringed.	8 in.	.25	2.40
Barbatus X Chinensis, Mixed (Annual Sweet William). Blooms from seed the first year.	1/4 oz., 70c	.15	.60
Blue see New Blue.			
Carthusianorum Giganteus 40 in. The tallest Dianthus, crimson pink flowers.		.35	...
Caesius (Cheddar Pink). X Dense tufts of glaucous blue foliage and large rose-colored flowers.	1/4 oz., 40c	.15	1.20
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William.	1/4 oz., \$1.40	.25	...
Deltoides Brilliant (Maiden Pink). X Beautiful little prostrate plant narrow leaves with a profusion of small crimson red flowers.	1/4 oz., 50c	.25	1.80
Major Stern's Variety. Bright crimson, dark foliage.	1/4 oz., 70c	.25	2.40
Mixed. Fine for rock gardens.	1/4 oz., 60c	.25	...
Graniticus. X Carmine. 9 in.	1/4 oz., 60c	.25	...
Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage.	1/8 oz., \$1.50	.50	...
Latifolius Atrococcineus pl. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout stem, 15 to 18 in. high.	1/4 oz., 25c	.15	.80
Loveliness. Large laciniated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance.	1/16 oz., \$1.20	.50	...
Neglectus X (Glacier Pink). Is about 3 in. high with close tufts of foliage and many very fine salmon pink flowers.	1000 seeds, \$2.40; 100 seeds, 30c	...	...
Rose Cushion. From a little cushion of grey-green foliage that is evergreen in character, hundreds of straight stems arise and in late May the flowers appear as if by magic. The color is pure pink, flowers about 3/4 in. across, plants about 3 to 4 in. tall.	1/16 oz., \$1.00	.35	...

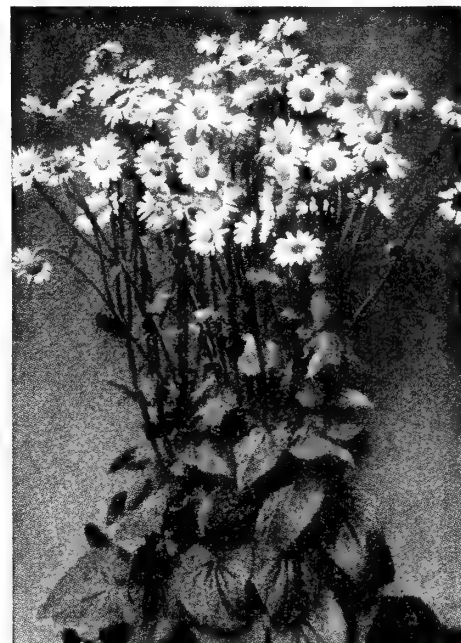
# Seeds of Biennials and Hardy Perennials



DIANTHUS Neglectus Rose Cushion



MYOSOTIS Alpestris



DORONICUM

## DIANTHUS—Continued

	Trade	pkt.	Oz.
New Blue. The color is a bright lavender-blue, foliage deep green, and the flowers are in trusses about 9 inches high.....	250 seeds, \$1.00 net.	....	....
Sweet Wivelsfield Single mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft.....	1/4 oz., 25c	\$0.15	\$0.80
Sweet Wivelsfield Double mixed.....	1/4 oz., 50c	.25	1.60
Best Rock Work Species Mixed X.....	1/4 oz., 60c	.25	2.20
Vaginat. Fine rock plant, cardinal red flowers.....	.50	....	....
Winteri. A Pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., 1/8 oz., \$1.40	.50	....	....
Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in.....	1/4 oz., 90c	.50	3.00
Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in.....	1/4 oz., 40c	.25	1.25
Fraxinella Albus. White, 30 in.....	1/4 oz., 50c	.25	1.80
Mixed.....	1/4 oz., 50c	.25	1.80
Dielytra Spectabilis (Bleeding Heart)....	1/8 oz., \$1.50	.50	10.00

## DIGITALIS (Foxglove)

Canariensis. Canary-yellow. 3 ft.....	.50	....	....
Hybrida Lutzii. Salmon hybrids. 4 ft.....	1/4 oz., 25c	.15	.80
Gloxiniiflora. Mixed, spotted flowers, 4 ft.....	.15	.60	....
Alba. White.....	.15	.60	....
Purple.....	.15	.60	....
Rose.....	.15	.60	....
Isabellina. A good yellow.....	1/4 oz., 50c	.25	1.60
Shirley Hybrids. Mixed. Enormous flowers, rich mixture, 6 to 7 ft.....	.15	.80	....
Grandiflora. Chrome-yellow. Marked with brown. (Ambigua), 36 in.....	.15	1.00	....
Laevigata. A dignified and handsome perennial Foxglove. Bronzy yellow flowers with whitish lip.....	.35	....	....
Orientalis. 30 in. Blossoms of silvery down, on cream, all laid about with an even netting of chestnut brown.....	.50	....	....
Purpurea Monstrosa. Mixed, 3 ft. Long spikes surmounted by one enormous flower.....	.15	.80	....
Vaughan's Special Mixture.....	.15	.80	....

<b>Doronicum</b> Caucasicum. Large daisy-like flowers have long stems and keep fine when cut. Divisions potted up in Dec. are easily flowered in a cool greenhouse in Feb. 2 ft. Seed germinates slowly. 1/16 oz., \$1.00	.50	....	....
Pardalianches Bunch of Gold. Long stemmed canary-yellow daisy-like flowers.....	.50	....	....
Plantagineum Excelsum. Deep chrome yellow.....	....	....	....
<b>Echinacea</b> Purpurea Hybrida (Coneflower). Mixed. Superb varieties.....	.35	....	....

## FORGET-ME-NOT (Myosotis)

Alpestris Blue Basket. Best, deepest blue.....	....	....	....
Blue Eyes. Bright blue with white eye, large, early	....	....	....

## FORGET-ME-NOT—Continued.

	Trade	pkt.	Oz.
Alpestris Indigo Blue (Royal Blue). 12 in. ...	1/4 oz., 60c	\$0.25	\$2.00
Blue Compacta. Deep blue.....	1/4 oz., \$1.00	.35	3.60
Rosea. 12 in.....	.25	....	....
<b>Stricta. Blue Bouquet.</b> A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft.....	1/8 oz., \$1.00	.50	....
<b>Pink Bouquet.</b> Pink. 1 ft.....	1/8 oz., \$1.00	.50	....
<b>Indigo Blue Bouquet.</b> Dark blue. 1 ft.....	.50	....	....
<b>White Bouquet.</b> .....	.50	....	....
<b>Bouquet mixed</b> .....	....	....	....
<b>Victoria.</b> Dwarf globular strain. 8 in.:	....	....	....
<b>Sky-blue.</b> Excellent variety.....	....	....	....
<b>Indigo Blue.</b> Fine dark blue.....	....	....	....
<b>Rosea. Pink</b> .....	....	....	....
<b>White</b> .....	.35	....	....
<b>Dissitiflora.</b> Rich blue, early and compact.....	.35	....	....
<b>Oblongata Perfecta.</b> Early and late flowering. 1/4 oz., 50c	.25	1.40	....
<b>Palustris.</b> Semperflorens. Dwarf, blue, in flower from early spring until autumn, 1 ft.....	1/4 oz., 70c	.25	2.40
<b>Vaughan's Early Blue Bird.</b> An extra early flowering strain of Blue Bird type and color. Should be used exclusively for cutting and valuable for pots or bedding.....	1/4 oz., 85c	.35	2.85
<b>Hybrida Ruth Fischer.</b> Neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage, 10 in.....	....	....	....
<b>Star of Love.</b> Dwarf blue, 8 in.....	.50	....	....
<b>Compacta Annemarie.</b> Large dark blue flowers.....	....	....	....
<b>Echinops (Globe Thistle) Ritro.</b> Showy thistle like plants with globular heads of deep metallic blue flowers, which can be dried as everlasting. Grow in clumps in full sun. A strong stately plant for accenting corners and has a long season of bloom.....	.10	.40	....
<b>Edelweiss. X</b> Large-flowered, 6 in.....	.35	....	....
<b>Eremurus,</b> known as Fox tail lilies and Desert Candles, takes 4 to 5 years to flower from seed. Stratify seed in sand for a couple of months. You can then sow them in flats or pans, leaving them in a cold frame and exposing them to a good freezing.	....	....	....
<b>Robustus, Pink, 7 ft., 100 seeds 35c; 1000 seeds \$2.50..</b>	....	....	....
<b>Himalaicus White</b> .....	....	....	....
<b>Mixed</b> .....	1/4 oz., \$1.20	.35	4.00
<b>Erigeron Speciosus Hyb. Grandiflorus.</b> Rosy lilac, 30 in. Daisy-like flowers.....	1/4 oz., 50c	.25	1.80
<b>Speciosus Hybridus Semi-plenus,</b> semi-double lavender varies. 1 1/2 ft.....	1/4 oz., \$1.20	.35	....
<b>Double Beauty.</b> Ideal subject for herbaceous border and attractive violet blue cut flowers, 2 1/2 ft.....	.50	....	....
<b>Coulteri.</b> Forms neat clumps about 10 in. tall and the large white rayed blossoms with yellow centers come in June.....	1/4 oz., \$1.00	.35	....
<b>Grandiflorus Elatior.</b> Rosy, 24 in.....	....	....	....

Rock plants are followed by X, and the heights given are of the plants when in bloom.



GAILLARDIA Grandiflora Maxima Aurea

## Seeds of Biennials and Hardy Perennials

	Trade	pkt.	Oz.
<b>Erinus</b> X <b>Alpinus</b> . Purple, for borders, 6 in. ....	\$0.50		
<b>Eryngium</b> <b>Alpinus</b> . True blue, 2½ ft. ....	.50		
<b>Amethystinum</b> . True amethyst-blue thistle with amethyst stems and bracts. Fine for cutting, 3 ft. ....	.25		
<b>Bourgatii</b> . The leaves deeply cut have light veins which are very attractive. The stems, flower-heads and radiant pointed petals are steel-blue. ....	.50		
<b>Planum</b> . Cornflower blue, globular heads, 4 ft. ....	.15	\$ 0.80	
<b>Eupatorium</b> <b>Fraseri</b> . White, for cutting, 2 ft. ....	.25		
<b>Euphorbia</b> <b>Corollata</b> (Wild Baby's Breath). Resemble <i>Gypsophila</i> but the flowers are larger and more pronouncedly white. Blooms in midsummer. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft. ....	⅓ oz., 70c	.35	4.00
<b>Myrsinites</b> . A prostrate plant with beautiful bluish foliage, heads of yellow flowers. Spring 3 in. ....	⅓ oz., \$1.00	.35	6.00
<b>Polychroma</b> . The flowers are bright yellow changing to a rosy bronze. 15 to 18 in. ....	⅓ oz., \$1.60	.50	10.00
<b>Francoa</b> <b>Ramosa</b> <b>Hybrida</b> . Bridalwreath. Pure white elegant flowers. 2½ ft. ....		.35	

### GAILLARDIA Grandiflora

<b>Aurea Pura</b> . Large pure yellow. ....	.35		
<b>Bremen</b> . Coppery scarlet with yellow tips. ¼ oz., 45c	.25	1.40	
<b>Burgundy</b> . Self colored wine-red, 2½ in. in diameter, on long stiff stems, from June until fall. Comes 60% to 70% true, 30 in. ....	¼ oz., 50c	.25	
<b>Chloe</b> . Large flowering Indian yellow. ....	¼ oz., 70c	.35	2.40
<b>Dazzler</b> . Large flowers, bright golden yellow with rich maroon-red center. 3 ft. ....	¼ oz., 40c	.25	1.40
<b>Goblin</b> . Very compact globular plants, red and yellow bicolor. ....	¼ oz., 90c	.35	
<b>Maxima Aurea</b> . Very large golden yellow flowers with large red eye. ....	¼ oz., 40c	.25	1.40
<b>Monarch Strain</b> . A robust strain very varied in coloring and with flowers of giant size and perfect form. ....	¼ oz., 50c	.25	1.80
<b>Portola Hybrids</b> . The flowers are very large, of great substance. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2½ to 3 ft. ....	lb., \$14.00; ¼ oz., 40c	.25	1.40
<b>Tangerine</b> . Vivid tangerine orange. ....	¼ oz., 50c	.25	1.60
<b>The King Regalis</b> . Deep red, edged gold, large flowers. ....	¼ oz., 50c	.25	1.80
<b>Torchlight</b> . Bright golden yellow, rich maroon center. 2 ft. ....	¼ oz., 50c	.25	1.80
<b>Gas Plant</b> , see <i>Dictamnus</i> .			

### Grasses, Ornamental

<b>Erianthus</b> <b>Ravennae</b> . Blue Lime or Pampas Grass. 6 to 8 ft. Spikes of silvery plumes. ....	.15		
<b>Festuca</b> <b>Glauca</b> . True blue grass with dense glaucous tufts. Blue stemmed grass. ....			

### GRASSES—Continued.

<b>Gymnothrix</b> <b>Latifolia</b> ( <i>Pennisetum Latifolium</i> ). 36 in. \$0.15	Trade	pkt.	Oz.
<b>Gynerium</b> <b>Argenteum</b> . Pampas Grass. ....			
<b>Stipa</b> <b>Pennata</b> . Feather Grass. 2 ft. ....	¼ oz., 70c	.25	\$2.40
<b>Uiola</b> <b>Latifolia</b> . Spike Grass. 3 ft. ....			
<b>Garden Heliotrope</b> , see <i>Valeriana</i> .			
<b>Gerbera</b> <b>Jamesoni</b> . New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year. ....	100 seeds, 40c; 1000 seeds, \$3.00		
<b>Gentiana</b> <b>Acaulis</b> . Gentian-blue, beautiful for edging, 5 in. ....	¼ oz., 85c	.25	
<b>Lutea</b> . Yellow. Tall robust species, 40 in. ....		.25	
<b>Geum</b> <b>Borealis</b> (True). Is an evergreen species with foliage rather prostrate and branching flower stems 8 to 12 in. long. Orange scarlet flowers produced abundantly over a long period. ....	¼ oz., \$1.20	.50	
<b>Lady Stratheden</b> X ( <i>Golden Ball</i> ). The blooms are large double golden yellow. 2 ft. ....	¼ oz., 50c	.25	1.60
<b>Mrs. Bradshaw</b> . X Large double glowing red. 2 ft. ....	¼ oz., 50c	.25	1.60
<b>Orange Queen</b> . Large double orange-scarlet. 2 ft. ....	¼ oz., 70c	.25	2.40
<b>Prince of Orange</b> . True orange. ....	¼ oz., 85c	.35	3.00
<b>Mixed</b> . ....	¼ oz., 60c	.25	2.00
<b>Gilia</b> <b>Coronopifolia</b> ( <i>Ipomopsis Elegans</i> Mixed). 3½ ft. (Standing Cypress.) The flowers are 1½ inches long, trumpet shape, borne along the side of the stem, mixed colors. A biennial. ....	¼ oz., 40c	.25	1.40
<b>Coronopifolia</b> <b>Red</b> . ....			
<b>Globularia</b> <b>Trichosantha</b> ( <i>Globe Daisy</i> ). Dwarf small globe-shaped flowers of dark blue. 12 in. ....		.35	
<b>Golden Rod</b> , see <i>Solidago Canadensis</i> .			
<b>Gypsophila</b> <b>Acutifolia</b> . Strong growing plant which branches freely and grows to 3 feet. The many tiny flowers are flushed pink and make an attractive mass. Flowers in midsummer. ....	¼ oz., 75c	.25	
<b>Oldhamiana</b> . Great tangles of airy, misty blossoming in pinks. The florets are slightly more than a quarter of an inch in diameter and possess a white throat. Blooms in fall. The foliage is silvery overcast. ....	¼ oz., 60c	.25	2.00
<b>Pacifica</b> . Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft. ....	¼ oz., 70c	.25	2.40
<b>Paniculata</b> <b>Snow-White Double</b> . Pure white double strain, 2 ft. ....	¼ oz., \$1.20	.50	4.00
<b>Paniculata</b> <b>White</b> . Small single white flowers in great profusion, useful for cutting, 40 in. ....	lb., \$2.80	.10	.30
<b>Repens</b> X <b>White</b> flowers, trailer, good border or rock plant, 6 in. ....	¼ oz., 40c	.25	1.40
<b>Rosea</b> . Pink. ....	¼ oz., 70c	.25	2.40
<b>Helenium</b> <b>Autumnale</b> <b>Superbum</b> . Broad heads of deep golden yellow flowers in late summer. ¼ oz., \$1.00		.35	3.40
<b>Autumnale</b> <b>Hybr.</b> <b>Nanum</b> <b>Praecox</b> . Remarkable dwarf, early hybrids in yellow, bronze, crimson and brown shades. ....		.35	
<b>Bigelowi</b> . Yellow dark disc, for cutting, 20 in. ....	¼ oz., 90c	.35	3.20
<b>Hoopesi</b> . Yellow. Early flowering, 30 in. ....	¼ oz., 45c	.25	1.40
<b>Riverton Beauty</b> . Lemon-yellow with large purplish black cone, 4 ft. ....	⅓ oz., \$1.40	.50	
<b>Riverton Gem</b> . Flowers open as old gold and terracotta changing to wallflower red. 3½ ft. ....	¼ oz., \$1.00	.35	3.60
<b>Helianthemum</b> X <b>Mutabile</b> . Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in. ....		.15	.80
<b>Helianthus</b> ( <i>Sunflower</i> ). <b>Harvest Moon</b> ( <i>Laetiflorus</i> ). Flowers semi-double with three rows of petals, long and incurved, on stiff stems and of a rich yellow color. ....			
<b>Maximilianus</b> . Early-flowering, yellow, 3 ft. ....	¼ oz., 50c	.25	1.80
<b>Oryzalis</b> ( <i>Willow-leaved Sunflower</i> ), stems densely clothed with whorls of finely cut graceful foliage and bearing numerous heads of bright yellow flowers with black central disc, a showy autumn plant, Sept.-Oct. 7 ft. ....	¼ oz., 60c	.25	2.20
<b>Perennial Varieties</b> . Mixed. ....	¼ oz., 70c	.25	2.40
<b>Heliopsis</b> <b>Laevis</b> <b>Pitcheriana</b> . Deep golden yellow flowers, 2 in. in diameter, very thick texture. Good cut flower. 4 ft. ....		.25	
<b>Lemoine's Giant</b> . A very brilliant border plant flowers are double and semi-double golden yellow. A perennial that blooms from seed the first year. ¼ oz., 50c		.25	1.80
<b>Scabra</b> <b>Zinniaeflora</b> . Large deep yellow flowers, very showy, free and continuous bloomer, 3 ft. ....	¼ oz., 50c	.25	1.80





GYPHOPHILA *Oldhamiana*

## Seeds of Biennials and Hardy Perennials

<b>Helleborus Niger</b> . Christmas Rose. White tinged rose, fine for winter. Seed germinates very slowly.....	Trade pkt.	Oz.	
.....15 in. 1/4 oz., 50c.	\$0.25		
<b>Hesperis Matronalis</b> (Sweet Rocket). Fragrant purple flowers in showy spikes., 40 in. ....	lb., \$2.60	.10	\$0.25
<b>Matronalis Alba</b> . White. Sweet scented, 40 in. ....	lb., \$2.60	.10	.25
<b>Heuchera</b> X <b>Sanguinea</b> . Bright rich crimson, blooms from early summer until fall. Excellent for cutting. 30 in. ....	1/8 oz., \$1.20	.50	
<b>Sanguinea Splendens</b> . Bright vermillion. 1/4 oz., 1.65		.50	6.00
<b>Hybrida Grandiflora</b> . Mixed, 30 in. ....	1/4 oz., 1.20	.35	
<b>Hoodacres Hybrids</b> . Very vigorous and prolific. The bells much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades. ....		1.00	
<b>Brizoides</b> . Bright rose, 30 in. ....		.50	
<b>Hibiscus Giant Yellow Sunset</b> or <b>Golden Bowl</b> . Needs protection, 2 ft. ....	1/4 oz., 30c.	.15	1.00
<b>Crimson Eye</b> . White with red eye, 4 ft. ....	1/4 oz., 30c.	.15	1.00
<b>Mallow Marvels</b> . Mixed, 4 ft. ....	lb., \$5.00	.15	.50
<b>Jumbo Red</b> . ....			
<b>Rose</b> . ....		.15	1.00
<b>Hieracium</b> X <b>Villosum</b> . Yellow, silvery leaves, 12 in. ....		.25	
<b>Hollyhocks</b> . Double. ....			
<b>Appleblossom</b> . ....	1/4 oz., 40c.	.25	1.20
<b>Blood-Red</b> . ....	1/4 oz., 40c.	.25	1.20
<b>Chamois</b> . Colorado Sunset or Queen of Sheba. Salmon-rose. ....	1/4 oz., 40c.	.25	1.20
<b>Crimson</b> . ....	lb. \$12.00, 1/4 oz., 40c.	.25	1.20
<b>Deep Salmon Red</b> . ....	1/4 oz., 50c.	.25	1.80
<b>Lilac Beauty</b> . ....	1/4 oz., 40c.	.25	1.20
<b>Maroon</b> . ....	1/4 oz., 40c.	.25	1.20
<b>Deep Rose</b> . Carmine rose. ....	lb. \$12.00, 1/4 oz., 40c.	.25	1.20
<b>Newport Pink</b> . ....	lb. \$12.00, 1/4 oz., 40c.	.25	1.20
<b>Orange Prince</b> . Waxy buff yellow with fiery orange center. ....	1/4 oz., 75c.	.35	2.40
<b>Purple Robe</b> . Purple amaranth. ....	1/4 oz., 75c.	.35	2.40
<b>Scarlet</b> . ....	1/4 oz., 40c.	.25	1.20
<b>White</b> . ....	lb. \$12.00, 1/4 oz., 40c.	.25	1.20
<b>Yellow</b> . ....	lb. 12.00, 1/4 oz., 40c.	.25	1.20
<b>Chater's Prize</b> . Double Mixed. ....	lb., \$10.00	.25	1.20
<b>Imperator, Improved</b> ("Begonia Flowered" Crested Mixed). New formation, collar of frilled and fringed edges. ....	1/4 oz., 50c.	.25	1.60
<b>Begonia Flowered</b> . Pastel shades. ....	1/4 oz., 55c.	.25	1.80
<b>Souvenir Mixture</b> . Semi-double with notched or toothed edges. Rich yellows and pinks, very pleasing. ....	1/4 oz., 65c.	.25	2.00
<b>Triumph</b> . Double waved and fringed flowers in delicate art shades. ....	1/4 oz., 50c.	.25	1.60
<b>Vaughan's Special Mixture</b> includes all Doubles, <b>Imperator</b> , <b>Triumph</b> and <b>Allegheny</b> ...	1/4 oz., 55c.	.25	1.80

## HOLLYHOCKS—Continued.

	Trade pkt.	Oz.	
Single mixed. ....	lb., \$4.00	\$0.10	\$0.50
<b>Allegheny</b> . Mammoth-flowering, mixed. ....		.15	.50
<b>Everblooming Double Hybrids</b> , mixed. If sown early will bloom first year. ....		.15	.60
<b>Indian Spring</b> . It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year if sown early. ....	1/4 oz., 40c.	.25	1.40
<b>Incarvillea Delavayi</b> . Large Gloxinia-like flowers, rosy purple, very handsome, 24 in. ....	1/4 oz., \$1.80	.50	
<b>Grandiflora</b> . Flowers brilliant rose, dwarf habit, 2 ft. ....		.50	
<b>Brevipes</b> . Large brilliant crimson rose flowers. 2 ft. ....		.50	
<b>Hybrida Bee's Pink</b> . Soft pink, large trumpet-shaped flowers. 18 in. ....		.50	
<b>Inula</b> X <b>Ensifolia</b> . Compact bushes 16 in. high with large daisy-like flowers in July and Aug. Prefers full sun and soil that is not too rich, 12 in. ....		.25	
<b>Glandulosa Grandiflora</b> . Orange. 2 ft. ....		.35	
<b>Royleana</b> . Rich orange colored flowers 4 to 6 in. across. The black buds are very conspicuous. 2 ft. ....			
<b>Iris Dichotoma</b> , August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Sow seed in early spring while soil is cool. Usually a fair proportion will bloom the first summer. ....	1/4 oz., 65c.	.35	2.20
<b>Kaempferi</b> . Mixed. Japanese Iris. Most seedlings bloom the second year. 18 in. ....	lb., \$6.00	.15	.60
<b>Siberian Mixed</b> . 36 in. ....		.10	.30
<b>Isatis Glaucia</b> . Foliage silvery grey-green. Clouds of fine yellow flowers in July. 2 ft. ....		.15	
<b>Jasione Humilis</b> . Compact habit, about 1 ft. high, producing blue globe shaped flowers. Easy culture. ....		.35	
<b>Kenilworth Ivy</b> X <b>Linaria Cymbalaria</b> . Pretty trailing variety. Pink. ....	1/4 oz., 50c.	.25	1.60
<b>Kudzu Vine</b> . Pueraria Thunbergiana. Rapid climber. Fragrant. lavender flowers. ....	lb., \$4.00	.10	.40
<b>Lallemantia Canescens</b> . Aromatic foliage, purple flowers. 2 ft. ....		.35	
<b>Lathyrus Latifolius</b> (Everlasting Pea). Mixed. ....	lb., 4.00	.10	.40
<b>Latifolius Pink Beauty</b> . Large racemes of pleasing deep rose flowers, 6 ft. ....		.15	.60
<b>Red. Magenta</b> , 7 ft. ....	lb., 6.00	.15	.60
<b>White Pearl</b> . Lovely sprays of large sweet pea-like flowers, each spray having 12 to 15 blooms. In flower all summer. 5 ft. ....	lb., 6.00	.15	.60
<b>Lavendula Vera</b> . True Sweet Lavender ...	1/4 oz., 40c.	.25	1.40
<b>Vera, Rose, White and Blue Mixed</b> . ....		.35	
<b>Munstead Strain</b> . Large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot. ....	1/4 oz., 70c.	.25	
<b>Lepachys Maroon and Gold</b> . The flower-heads are little silky columns set successively with tiny blossoms and guarded at the base by wide petal-rays of richest maroon, gold-edged. ....		.35	
<b>Liatris Spicata</b> (Blazing Star). Purple rose, 20 in. ....	1/4 oz., 60c.	.25	2.00
<b>Pycnostachya</b> . Long spike of brilliant rose-purple flowers. Aug. to Oct., 4 ft. ....	1/4 oz., 70c.	.25	2.40
<b>Scariosa</b> . Violet-purple, 4 ft. ....	1/4 oz., 90c.	.35	3.20
<b>Alba</b> . Is stocky almost bushy and has several full flowering stalks growing about 2 1/2 ft. high. The flowers are attractive white pompons thickly studing the main stalk as well as the branches. ....	1/4 oz., \$1.75	.50	6.00
<b>Autumn Spire</b> . Graceful spires of a lovely rosy purple color. Flower stalks 2 1/2-3 ft. with flower-heads 18 to 24 in. long, tapering from about 4 in. at bottom of flower-head to 12 in. at top. Start flowering about September 15th. They stand up in good condition for weeks as cut flowers. ....	1/8 oz., \$1.25	.50	7.00
<b>Hybrids</b> . ....		.50	
<b>Linaria</b> . Alpina. X Purple blotched orange flowers like miniature snapdragons, 4 in. ....		.50	
<b>Canon Want</b> . Pale pink. Blooms first year if sown early. 2 1/2 ft. ....	1/4 oz., \$1.20	.35	
<b>Cymbalaria</b> , X <b>Pink</b> , 3 in. ....	1/4 oz., 50c.	.25	1.60
<b>Dalmatica</b> . Lemon yellow, height 3 ft. ....	1/4 oz., 40c.	.25	1.40
<b>Macedonica Speciosa</b> . Nymph. Creamy white. 36 in. ....		.25	

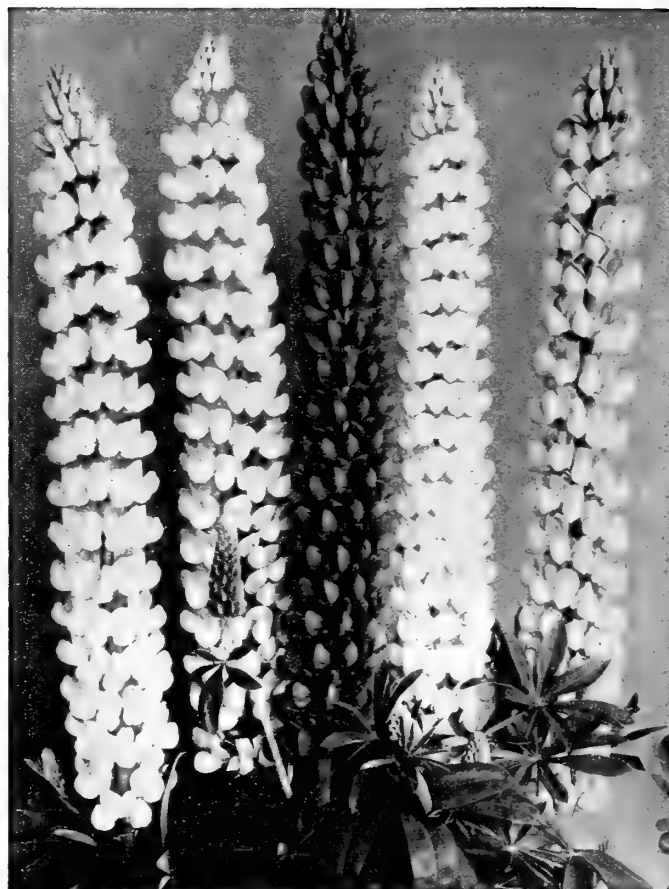
Rock Plants are followed by X, and the heights given are of the plants when in bloom.

# Seeds of Biennials and Hardy Perennials

## Lilies

Culture on Lilies from seed sent free with order. Trade pkt. Oz.

Auratum (Gold Banded Lily).....	\$0.25	....
Auratum Platyphyllum. Larger than the type; more heavily marked.....	.25	....
Backhouse Hybrids. Free flowering. Many unusual shades.....	100 seeds, 85c; 1000 seeds, \$6.00	....
★Candidum "Saloniki." Well known white Madonna Lily, pure white flowers, dark stem, immune to disease. Early and free blooming.....	.50	....
Cernuum. Lilac nodding flowers, grass-like foliage.....	....	....
Concolor. Erect fiery scarlet with dark red spots.....	.25	\$2.00
Henryi. Rich deep orange-yellow. 4 ft.....	.35	3.00
Martagon. Turk's Cap Lily. The waxy petals of the flowers are a dull purple color, pleasingly reflexed, and marked with black spots.....	.35	....
Formosanum. Improved Pure White. This selected strain produces 80% pure white flowers.....	.25	1.80
Formosanum Giant Pure White.....	.35	2.60
Japonicum. Fragrant, pale to rose pink, broad-funnel shaped flowers, horizontally spread. Probably the prettiest pink lily in existence. Needs protection during the winter.....	.35	....
Longiflorum Praecox (White Queen). Produces blooms of the well known Erabu type within twelve months from sowing. Long trumpet flowers of clear white. 1/2 trade pkt., 60c; 1/8 oz., \$1.50	1.00	....
Regale. Pink outside, interior primrose-yellow, 3 to 5 ft.....	.15	.60
Speciosum Rubrum. (Lance Leaved Lily). White, flushed pink, heavily spotted with carmine.....	.25	....
Tenuifolium (Siberian Coral Lily). Flowers glowing glossy scarlet up and down the stem. 20 in. Lb., \$6.00	.15	.60
Golden Gleam. 24 in. Blooms are deep orange and have recurved petals of waxy texture.....	....	....
Washingtonianum (Mt. Hood Lily). Pure white, slightly tinted and dotted purple inside.....	....	....
Willmottiae. Flowers vivid orange-red with recurved petals, spotted with brown slender foliage. 4 ft. Mixed. Many varieties.....	.25	1.80
Linum Perenne (Perennial Flax). Very pretty pale blue flowers on slender stems. 30 in.....	.10	.30
Perenne Fl. Album. Neat white flowers. 30 in.....	.10	.40
Mixed.....	.10	.40
Alpinum × Pale blue. Prostrate habit.....	.35	....
Flavum. Fine variety with transparent yellow flowers. 1 to 2 ft.....	.25	2.00
Compactum Nanum × Glowing golden yellow, dark green foliage. Everblooming, 6 in.....	.35	....
Narbonense. Fine blue, flowers large, graceful habit. 30 in.....	.35	3.00
Heavenly Blue. The flowers are twice as large as the common Linum perenne. The color is a luminous ultramarine blue.....	.50	....
Lobelia Cardinalis (Cardinal Flower). 36 in. 1/4 oz., 75c	.25	2.60
Syphilitica. (Great Blue Lobelia). Blue flowers, streaked with white. 24 in.....	.25	....
Lunaria Biennis. (Honesty). Lilac purple flowers, silvery pod.....	.15	.60
Biennis Munstead Purple Giant.....	.25	1.00
Mixed.....	.15	.80
Lupinus Polyphyllus.		
Albus. Large, pure white spikes. 2 to 3 ft. lb., \$4.00	.10	.40
Atrio-violaceus. Large dark blue.....	.15	.80
Coelestinus. Varies light to dark blue.....	.15	1.00
Carmineus. Carmine shades.....	.15	1.00
Chocolate Soldier. Terra-cotta shades.....	.25	2.00
C. M. Prichard. Pale salmon-orange with yellow.....	.35	....
Lavender Queen. Lavender tinted pink, 3 ft. 1/4 oz., 30c	.15	1.00
Luteus. A strain of varying yellow shades. 1/4 oz., 25c	.15	.80
Roseus. Very pretty rose shades. 3 ft.....	.15	.50
Salmonus. Delicate salmon shades.....	.15	.80
Six Hills Scented. Flowers are sweetly scented and have a great range of color.....	.15	.50
Sunshine (Arboreus Type). Golden yellow, 30 in....	.15	.60
Harkness' Regal Mixture. A mixture of charming colors, in which rose, buff, flesh and salmon shades predominate.....	.15	.60



LUPINUS POLYPHYLLUS RUSSELL

## Russell Lupinus

### A MARVELOUS SELECTION OF PERENNIAL LUPINS

Most unusual colors and color combinations; some flowers are self colors and many bicolors, the standard being of one color and the keel of another. The flowerettes are much larger than the other Polyphyllus varieties. The spikes are crowded with blossoms and resemble a closely set well rounded column of Sweet Peas. Useful as a cut flower.

The Russell Lupins have three virtues not including colour, that the older varieties lacked. Ability to travel well when cut, less tendency for the lower flowers to fade before the whole spike is out and excellent keeping qualities in the house.

Grown from originator stock seed. Trade pkt., 25c; oz., \$1.40; 1/4 lb., \$4.80; lb., \$16.00.

Reselected seeds, originator's Green Seal packets: 20 seeds, 40c; 65 seeds, 90c, 120 seeds, \$1.60, Net.

### LUPINUS Polyphyllus—Continued.

Trade pkt. Oz.

Downer's Hybrids. Perpetual flowering hybrids.....	lb., \$6.00	\$0.15	\$0.60
Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins, English and other European strains being chosen to give the utmost variety.....	lb., \$8.00; 1/4 oz., 25c	.15	.80
Lychnis Alpina. × Rose, 12 in.....	.35	....	
Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft salmon-pink. May. 2 to 3 ft.....	1/4 oz., 40c	.25	1.40
Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft.....	1/4 oz., 40c	.15	1.20
Chalcedonica. Vivid scarlet flowers. 36 in.....	.15	.60	
Forrestii Hybrids. Showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border, 2 ft.....	1/4 oz., 70c	.25	2.40
Haageana Hybrida. Mixed, extra choice, 18 in....	1/4 oz., 60c	.25	2.20
Scarlet, large brilliant orange scarlet flowers. 18 in....	.25	....	
Viscaria Splendens. Early, deep rose, 16 in. 1/4 oz., 30c	.15	1.00	



LILIIUM Formosanum Giant Pure White

## Seeds of Biennials and Hardy Perennials

**Lythrum Roseum Superbum.** Rose-purple in spikes. Trade pkt. Oz.  
A good border plant. 40 in. .... 1/4 oz., 30c \$0.15 \$1.00

**Matricaria.** (Feverfew). Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 30 in. Trade pkt., 35c; 1/8 oz., \$1.00; 1/4 oz., \$1.75.

**Matricaria Golden Ball.** Striking double golden yellow. Trade pkt. Oz.  
8 in. .... 1/4 oz., 50c \$0.25 \$1.80  
**Snowball.** Double white. 8 in. .... 1/4 oz., 50c .25

**Monarda** (Bergamot or Bee Balm). Didyma. Scarlet.  
30 in. .... .35  
Hybrida. Mixed. 36 in. .... 1/4 oz., 90c .25

**Myosotis.** See Forget-Me-Not, page 19.

**Native Wild Flowers.** Mixed. .... 1/4 oz., 60c .25 2.20

**Nepeta Mussini.** X Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft. .... 1/4 oz., 50c .25 1.80  
**Nervosa.** Clear light blue flowers. .... 1/4 oz., 65c .25

**Souvenir d'Andre Chaudron.** Upright growth, grey leaves. Bright blue flowers for cutting. 24 in. .... .35

**Nierembergia Hippomanica** (Coerulea). The lovely lavender-blue flowers, heightened by a touch of yellow in the center, is most charming. Plants are compact not over 5 or 6 inches tall. As an edging plant it is unexcelled and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection. .... 1/2 oz., \$1.50; 1/6 oz., \$2.75 .50

**Oenothera Fraseri.** Deep yellow. 24 in. .... 1/8 oz., 75c .35

**Lamarkiana.** Large yellow on long spikes, 2 ft. .... .10 .25

**Macrocarpa** (Missouriensis). Large yellow flowers, fine trailer, June-Sept. 12 in. .... 1/4 oz., 80 .25 3.00

**Youngei.** Masses of yellow flowers continuously in bloom; likes moisture. 18 in. .... .50

## POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting.

**Papaver** (Poppy) Alpine. X Mixed. Pretty delicate Trade pkt. Oz.  
dwarf species. 10 in. .... 1/8 oz., 80c \$0.35 \$5.00

**PAPAYER**—Continued.

Trade pkt. Oz.

**Nudicaule X** (Iceland). Amurensis "Yellow Wonder."

Large flowers of buttercup-yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs. .... 1/4 oz., 60c \$0.25 \$2.20

**Coonara.** Salmon, pink and rose shades. 1 1/2 ft. .... 1/4 oz., 50c .25 1.80

**El Monte.** Deep tangerine orange. .... 1/4 oz., 50c .25 1.80

**Gibson's Giant Orange.** .... 1/4 oz., 85c .25 3.00

**The Empress.** Flower large, full, well formed, with broad overlapping petals, deeply fluted or wrinkled, giving the effect of doubleness. The colors range through lovely shades of salmon-rose and creamy pink. .... 1/4 oz., 65c .25 2.20

**The Emperor.** Large-flowered, orange, long-stemmed. .... 1/4 oz., 65c .25 2.20

**Gartford Giant Art Shades.** Excellent new pastel mixture. .... 1/4 oz., \$1.00 .35 3.60

**Red Cardinal.** 12 in. Brilliant cardinal red. .... 1/8 oz., 75c .25

**Sanford's Giant Hybrids.** The flowers are 2 1/2 to 3 inches in diameter and come in shades of orange and yellow and white with long, stiff stems. Extremely free-flowering. 2 ft. .... 1/4 oz., 60c .25 2.00

**Gartref New Hybrids.** Selected from range of art shades, all with darker penciled edging. Excellent cut flower. Blooms the first year. 1/4 oz., 60c .25 2.00

**White.** .... 1/4 oz., 65c .25 2.20

**Double Mixed.** .... 1/4 oz., 65c .25 2.20

**Vaughan's Special Mixture of Iceland Poppies,** containing every worthwhile strain of these beautiful and useful Poppies. .... 1/4 oz., 70c .25 2.40

## ORIENTAL POPPY

The named varieties of Oriental Poppies do not come entirely true from seed.

**Oriental (Oriental Poppy).** Scarlet, 3 ft..lb., \$8.00 .15 .80

**Brilliant.** Brilliant fiery red, 40 in. .... .25

**Beauty of Livermere.** Oxblood-red ... 1/4 oz., 80c .25 2.80

**Carneum.** Light and dark salmon-pink shades. 70% true. 40 in. .... 1/4 oz., 70c .25

**Goliath.** Brilliant scarlet. .... .35

**Mahony.** Maroon-crimson. 40 in. .... 1/4 oz., \$1.00 .35

**Mrs. Perry.** Salmon-rose. .... 1/8 oz., 1.00 .35

**Olympia.** Light scarlet with salmon shading. About 40% will be double flowering. .... .50

**Perry's White.** White flowers with a tinge of blush. .... 1/8 oz., \$1.40 .50

**Princess Victoria Louise.** Flowers rather small, resembling a large tulip; perfect form; light orange-salmon. 40 in. .... 1/4 oz., 90c .25 3.20

**The Feltham.** Shades of scarlet, orange and apricot without the dark blotch at base of flower, 2 ft. .... 1/8 oz., \$1.00 .50

**New Oriental Hybrids.** From a collection of new named sorts. .... 1/4 oz., 75c .25 2.60

**Vaughan's Special Mixture.** .... 1/4 oz., 90c .25 3.20

**Pentstemon.** Digitalis. White tinted violet, 36 in. .... 1/4 oz., 70c .25 2.40

**Heterophyllus.** Blue Gem. X Flowers bright gentian-blue shaded with light violet. June to August, 14-18 in. .... 1/4 oz., 70c .25 2.40

**Glaber.** Blue, 36 in. .... 1/4 oz., 60c .25 2.00

**Grandiflorus.** Excellent, easily grown, long lasting cut flower. Lavender-blue. 3 ft. .... 1/4 oz., 90c .25 3.00

**Pubescens.** Violet-purple, lips white, 18 in. 1/4 oz., 1.20 .35

**Perennial Varieties.** Mixed. .... 1/4 oz., \$1.00 .35

**Physalis Franchetti** (Chinese Lantern Plant). Large bright orange scarlet pods, useful for winter decorations. .... .15 .60

**Gigantea.** The attractive orange-scarlet balloon seed pods are of the same color as above but are twice as large. .... 1/8 oz., \$1.00 .35

**Physostegia Virginica.** Deep rose flowers in close compact spikes, 4 ft. .... 1/4 oz., 50c .25 1.60

**Virginia Alba.** Fine pyramidal habit, large spikes, white flowers, 36 in. .... 1/4 oz., 50c .25

**Gigantea.** Lilac rose. 4 ft. .... 1/4 oz., 75c .25

**Compacta.** Dwarf, rose. .... .25

**Platycodon Grandiflorum.** Blue, 28 in. .... 1/4 oz., 25c .15 .80

**Grandiflorum.** Album. White, 28 in. .... 1/4 oz., 25c .15 .80

**Mixed,** 28 in. .... 1/4 oz., 25c .15 .80

**Early-Flowering White.** 28 in. .... 1/4 oz., 40c .20 1.40

**Early-Flowering Blue.** .... 1/4 oz., 40c .20 1.40

Rock plants are followed by X, and the heights given are of the plants when in bloom.

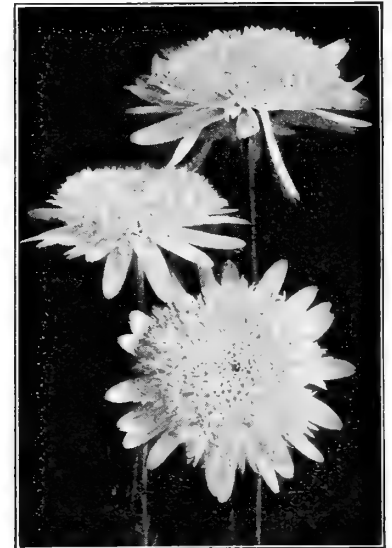
## Seeds of Biennials and Hardy Perennials



PRIMULA Veris (Polyanthus)



PRIMULA Auricula



PYRETHRUM Roseum Double

## PLATYCODON—Continued.

	Trade	pkt.	Oz.
<i>Præcox Gigantea</i> . Early-flowering blue. $\frac{1}{4}$ oz., 60c	\$0.25		\$2.00
<i>Gigantea</i> . Early Flowering White. ....			
<i>Mariesii</i> . Dark blue, dwarf, 16 in. .... $\frac{1}{4}$ oz., 60c	.25		2.00
<i>Alba</i> . White and faint blue, dwarf, 16 in. $\frac{1}{4}$ oz., 70c	.25		....
<i>Polemonium Coeruleum</i> . (Jacob's Ladder). Large blue, very ornamental, 30 in. ....	.20		....
<i>Coeruleum Album</i> . White, 30 in. .... $\frac{1}{4}$ oz., 40c	.20		1.40
<i>Reptans</i> . Flower sprays of china blue. Mounds of blossoms. 12 in. .... $\frac{1}{4}$ oz., \$1.35	.35		....
<i>Richardsoni</i> . Dwarf, blue, early, 20 in. .... $\frac{1}{4}$ oz., 40c	.15		1.20
<b>Polyanthus</b> (See <i>Primula Veris</i> ). ....			
<i>Potentilla Formosa</i> X Cherry-red, 12 in. ....	.25		....
<i>Nepalensis</i> X Miss Willmott. Bright carmine rose, 12 in. ....	.25		....
<i>Roxana</i> . Brilliant salmon with darker veins, 18 in. .... $\frac{1}{8}$ oz., 50c	.25		....
<i>Warrensi</i> . A lovely plant for the sunny hardy border. Covered with large, pure yellow blossoms all summer. Suitable for cutting. 2 ft. $\frac{1}{4}$ oz., 70c	.25		2.40
Double Mixed, 20 in. ....	.35		....
Single Mixed, 26 in. .... $\frac{1}{4}$ oz., 40c	.15		1.20

## PRIMULA

<i>Auricula</i> . X Large-Flowering. Mixed, 6 in. $\frac{1}{16}$ oz., \$1.00	.50	....
<i>Giant Flowered</i> . Mixed, 6 in. .... $\frac{1}{8}$ oz., 2.00	.75	....
<i>Bullesiana Hybrida</i> . X Fine shades of yellow, orange, apricot and carmine. May-June. 18 in. ....	.50	....
<i>Bulleyana</i> . Flowers yellow, bud terra-cotta. ....	....	....
<i>Cashmiriana</i> . Lilac, early, hardy, 12 in. ....	.50	....
<i>Cortusoides</i> . Rose, soft wrinkled heart shaped leaves, 10 in. ....	.50	....
<i>Florindae</i> . Fragrant, bright yellow pendent flowers. 3 to 4 ft. ....	.50	....
<i>Japonica</i> . X Special Strain. Mixed. 20 in. ....	.50	....
<i>Lissadell Hybrida</i> Red Hugh. X Intense fiery red flowers produced in tiers growing to two feet in height. June. ....	.50	....
<i>Pulverulenta</i> . X Shining purple-carmine. May-June. As hardy as <i>Polyanthus</i> . 16 in. ....	.35	....
<i>Bartley Strain</i> . Beautiful shades of rose and pink, 3 ft. ....	....	....
<i>Rosea Grandiflora</i> . X Rose-carmine, May-June. 8 in. ....	.50	....
<i>Sikkimensis</i> . Yellow. Drooping flowers. 15 in. ....	.50	....
<i>Veris Kleynii</i> . It has heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1 to 1½ inches in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each, perfectly hardy outside anywhere in the U. S. A. Plants forced in winter can be divided up and planted out in April. Those develop strong plants for the hardy border, rockery, or for forcing the following winter. Large heavy leaves. .... 100 seeds, 40c; 250 seeds, 85c; 1000 seeds, \$3.00	....	....
<i>Veris</i> ( <i>Polyanthus</i> ). X <i>Coerulea</i> . Dark blue. 1 ft. .... 100 seeds, 25c; 1,000 seeds, \$1.80	....	....

## PRIMULA Veris—Continued.

	Trade	pkt.	Oz.
<i>Colossea Mixed</i> . The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than 1¾ inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper as well as the darkest red. .... 100 seeds, \$1.00; 1,000 seeds, \$8.00	....	....	....
<i>Grandiflora</i> . X Mixed. 1 ft. .... $\frac{1}{4}$ oz., \$1.70	\$0.50		\$6.00
<i>Excelsior strain</i> of large-flowering varieties. ....	.75		....
<i>Mrs. Berkeley's Strain</i> . Very fine new race with large flowers. .... $\frac{1}{4}$ oz., \$2.50; $\frac{1}{8}$ oz., \$1.40	.50		....
<i>Gigantea Teicher's Giant Mixed</i> . ....	.75		....
<i>Gold Laced</i> . Brown flowers with yellow edge. ....	.35		....
<i>Lutea</i> . X Yellow, 12 in. .... $\frac{1}{16}$ oz., \$1.00	.50		....
<i>White</i> . 12 in. .... $\frac{1}{8}$ oz., \$1.00	.50		....
<i>Red shades</i> . Splendid mixture, 12 in. .... $\frac{1}{8}$ oz., \$2.40	.50		....
<i>Acaulis</i> . Mixed. 6 in. ....	....		....
<i>Coerulea</i> . Blue varies. ....	....		....
<i>Vulgaris</i> . X True. Yellow Primrose, 6 in. $\frac{1}{4}$ oz., \$1.25	.50		4.00
<i>Pueraria Thunbergiana</i> (Kudzu Vine). Fragrant purplish violet flowers. Rapid climber. .... lb., \$4.00	.10		.40

## PYRETHRUM (Painted Daisies)

<i>Roseum</i> . Pink, 30 in. .... $\frac{1}{4}$ oz., \$1.25	.35	4.00
<i>Album</i> . White, excellent. .... $\frac{1}{4}$ oz., 75c	.25	2.60
<i>Atrosanguineum</i> . Dark red shades. .... $\frac{1}{4}$ oz., \$1.20	.35	....
<i>Carneum</i> . Flesh. .... $\frac{1}{4}$ oz., 85c	.35	3.00
<i>James Kelway</i> . Deep scarlet varies. .... $\frac{1}{4}$ oz., \$1.50	.50	5.00
<i>Grandiflorum Rubrum</i> . Deep ruby red. .... $\frac{1}{8}$ oz., \$1.50	.50	....
<i>Album</i> . White. .... $\frac{1}{8}$ oz., \$1.50	.50	....
<i>Roseum</i> . Pink. .... $\frac{1}{8}$ oz., \$1.50	.50	....
<i>Mixed</i> . .... $\frac{1}{4}$ oz., \$1.25	.50	4.00
<i>Giant Robinson's Hybrids</i> . Mixed. .... $\frac{1}{4}$ oz., \$1.20	.50	4.20
<i>Robinson's Dark Crimson</i> . Single large disk-like flowers of rich crimson red, flowers freely, fine for cutting. .... $\frac{1}{8}$ oz., \$1.00	.50	6.00
<i>Comet-Flowered</i> . Single and semi-double with twisted petals. ....	.50	....
<i>Double Pyrethrum</i> . Does not produce 100% double flowers—the percentage is better the second year. ....	....	....
<i>Double Atro-roseum</i> , red. .... $\frac{1}{16}$ oz., \$1.50	.50	....
<i>Blood-red</i> . .... $\frac{1}{32}$ oz., \$2.00	1.00	....
<i>Pink</i> . .... $\frac{1}{16}$ oz., \$1.50	.50	....
<i>Salmon</i> . ....	.75	....
<i>Sulphureum</i> Sulphur yellow. ....	1.00	....
<i>White</i> . .... $\frac{1}{16}$ oz., \$1.50	.75	....
<i>Mixed</i> . Extra choice. .... $\frac{1}{4}$ oz., \$1.40	.50	5.00
<i>Cinerariaefolium</i> . Persian Insect Powder Plant. White, for cutting, 2 ft. ....	....	....
<i>Ptarmicaeflorum</i> . Silvery white, feathery foliage, valuable for pots, beds, and edgings. ....	....	....
<i>Uliginosum</i> . Giant Daisy. White; late 4 ft. $\frac{1}{4}$ oz., \$1.25	.35	4.00

Rock plants are followed by X, and the heights given are of the plants when in bloom.



# Seeds of Biennials and Hardy Perennials

<b>Ranunculus</b> Double Camellia Flowered. Very large Trade pkt. Oz.		
flowers in most distinct and uncommon colors, double, semi-double and single. 12 in. 1/4 oz., \$1.25	\$0.50	
Claremont Hybrid Sunset, Orange.....	.75	\$6.00
Bonnie Lassie, Pink.....	.75	6.00
Huntsman, Red.....	.75	6.00
Hybrids, Mixed colors..... 1/4 oz., \$1.40	.50	5.00
<b>Rehmannia</b> Angulata. Large Incarvillea-like flowers in rose and red shades, 24 in.....	.50	
<b>Rock Plants.</b> Perennial Mixed..... 1/4 oz., 40c	.25	1.40
<b>Romneya</b> Coulteri (California Giant Poppy). Beautiful snowy white fragrant flowers. 4 ft.....		
<b>Rosa</b> Polyantha Nana Multiflora fl. pl. X. The baby rose for rock gardens, blooms in 5 to 6 months, resembles Rose Rouletti, clean seed..... 300 seeds,	.50	
<b>Rudbeckia</b> Hirta Herbstwald (Autumn tints). Well formed, large starflowers in yellow, bronze and brown shades on long, firm stems..... 1/4 oz., 50c	.25	1.60
My Joy (Giant Black-Eyed Susan). Large orange-yellow flowers dark zone..... 1/4 oz., 40c	.25	1.40
Newmanii (Speciosa). Vivid yellow, black disc; a showy autumn bloomer.....	.25	
Purpurea (Echinacea). 4 ft..... 1/4 oz., 45c	.25	1.40
<b>Ruellia</b> Ciliosa. 1 ft. Starts to bloom in June and lasts till September. In form and coloring the flowers resemble Petunia Heavenly Blue, with the same silvered sky-blue and lavender reflections. It likes full sun and hot dry places. Sown in very early spring, will often bloom first year.....	.35	
<b>Salvia</b> Argentea. Large ornamental leaves. White flowers 36 in.....	.15	
Azurea Grandiflora. Tall growth and long stalks. The deep blue flowers in long racemes..... 1/4 oz., 50c	.25	1.80
Patens. Very large flowers, splendid blue, free bloomer..... 1/4 oz., 85c	.25	3.00
Pratensis. Dark blue. 1 1/2 ft..... 1/4 oz., 50c	.35	1.80
Turkestanica. Extremely decorative sweet scented silvery foliage and showy whorls of white flowers surrounded by pale pink, all summer.....	.35	
Verbascifolia Syria. Tall spikes of light blue and white flowers with dark markings. 5 ft..... 1/4 oz., 50c	.35	1.80
<b>Saponaria</b> X Ocymoides Splendens. Rosy pink. Pretty border or rock plant..... 1/4 oz., 25c	.15	.80
<b>Saxifraga</b> Aizoon. X Creamy white silver braided. 6 in. Cordifolia X Large panicles of rose flowers, handsome tinted foliage, 24 in.....	.50	
..... 100 seeds, 35c; 1000 seeds, \$2.50		
Decipiens Grandiflora. X Masses of white flowers; charming. 18 in..... 1/8 oz., 80c	.35	
Hybrida Purple Robe. X Carmine with purple reflex, 8 in.....	.35	
Lingulata Leichtlini. Vivid rose, 28 in.....		
..... 100 seeds, 35c; 1000 seeds, \$2.50		
Megasea Mixed. Large leathery leaves with short stemmed racemes of rose and pink flowers. Spring.	.75	
Perennial Species mixed.....	.35	
Mossy Varieties mixed..... 1/16 oz., \$1.00	.50	
<b>Scabiosa</b> Caucasica Alba. Pure white, 40 in. 1/4 oz., 60c	.25	2.20
Perfecta. Lavender. Improved form, fringed flowers very large and beautiful..... 1/4 oz., 60c	.25	2.20
<b>House's New Hybrids.</b> Flowers very large and of beautiful form, ranging in color from light azure-blue and lavender to deep blue and silvery white. .... 1/4 oz., 80c	.35	2.80
Goldingensis. Large flowers, waved petals, small center, deep lavender..... 1/4 oz., 80c	.35	2.80
<b>Vaughan's Special Mixture.</b> All the above Caucasica types..... 1/4 oz., 80c	.35	2.80
<b>Fischeri.</b> Flower is 2 1/2 inches across and is beautiful rich violet blue color. 2 1/2 ft..... 1/4 oz., 60c	.25	2.00
Columbaria Delicate Pink. Orchid pink. 2 ft. 1/4 oz., 60c.	.25	2.00
Delicate Lavender, 2 ft..... 1/4 oz., 60c	.25	2.00
Two above are not hardy in middle western and northern states.		
Japonica. Lavender blue flowers, 30 in.....	.15	.50
Webbiana. Large fluffy flowers of pure true cream, splendid hardy variety always in bloom. Cuts well. Neat foliage, blooming June to November..... 1/4 oz., 90c	.35	3.20



RANUNCULUS Claremont Hybrids

<b>Scutellaria</b> X Coelestina. Dense bushy habit, abundance of clear blue snapdragon-like flowers. 1 ft. .... 1/8 oz., 80c	\$0.25	
<b>Sedum</b> X Acre (Golden Moss). A pretty subject for walls and rock gardens. Yellow. 3 in.....	.50	
Aizoon. Yellow with brown. 5 in.....	.50	
Mixed.....	.35	
<b>Sempervivum.</b> X Perennial species. Mixed.....	.35	
<b>Senecio</b> Clivorum Orange Queen. Stately border plant; loves moisture. July. 4 ft.....		
<b>Sidalcea</b> Rose Queen. Splendid rose flowers. 1/4 oz., 75c	.35	\$2.80
Rosy Gem. Mallow rose, 18 in..... 1/4 oz., 50c	.25	1.80
New Hybrids. Mixed..... 1/4 oz., 50c	.25	1.80
<b>Silene</b> Alpestris. X Sheets of glistening white flowers from May to July. Prefers shade. 6 in.....	.50	
Asterias Grandiflora. Large globular crimson-scarlet heads. 18 in.....	.50	
Orientalis. X Bright red flowers in terminal umbels. 30 in.....	.15	.50
Saxifraga. X Creamy white, tinged red, 10 in. 1/4 oz., 80c	.35	
Schafta. X Bright pink, trailing habit, July. 8 in. .... 1/4 oz., 50c	.25	1.80
Siberica. X Rose. 18 in.....		
<b>Solidago</b> (Golden Rod). Canadensis. 5 ft.....	.35	
<b>Stachys</b> Lanata. Silver leaves, purple flowers, 24 in..... 1/4 oz., 30c	.15	1.00
<b>Statice</b> Latifolia. Small lavender-blue flowers in large panicles. 1 ft..... 1/4 oz., 40c	.25	1.40
Caspia. Tender lilac color, 30 in..... 1/4 oz., 60c	.25	2.20
<b>Dumosa.</b> Dense cushions of pure silver-grey flowers; an improved Tatarica. 30 in..... 1/4 oz., 50c	.25	1.80
Macrophylla Atro-coerulea. Dark blue. 2 1/2 ft..... 1/4 oz., 75c	.25	2.60
Perezii. Free-flowering lavender species, 30 in. 1/4 oz., 50c	.25	1.80
Tatarica (Incana). Small white flowers may be dried. 18 in.....		
<b>Stokesia</b> Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer.... 1/4 oz., 50c	.25	1.60
Cyanea Alba. Blush white variety. 16 in. 1/4 oz., 40c	.25	1.40
<b>Sweet William.</b> See Dianthus Barbatius.		
<b>Teucrium</b> (Germander) Chamaedrys. Grey foliage, spreading habit, small rose colored flowers, 8 in....	.25	
<b>Thalictrum</b> Aquilegifolium (Meadow Rue). Graceful foliage, mixed colors, 40 in. .... 1/4 oz., 50c	.35	1.80
Aquilegifolium Purpureum. A fine variety with purple flowers..... 1/4 oz., 60c	.35	2.00
Adiantifolium. Flowers yellow, 18 in. .... 1/4 oz., 45c	.15	1.40
<b>Dipterocarpum.</b> Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft. 1/4 oz., 45c	.25	1.50
Album. White, new.....	.25	
Glaucom. Bronze-yellow, June, 4 ft..... 1/4 oz., 45c	.25	1.50
<b>Thermopsis</b> Caroliniana. Yellow pea-shaped flowers in long racemes. 3 ft..... 1/4 oz., 60c	.25	2.00
Montana. Dwarf. Only 1 1/2 ft., pale yellow. 1/8 oz., \$1.00	.50	
<b>Thymus</b> Serpyllum. X (Wild Thyme.) Creeping habit, scented foliage, purple flowers, 2 in. .... 1/8 oz., 60c	.25	
Serpyllum Coccineum. Bright red.....	.25	

Rock Plants are followed by X, and the heights given are of the plants when in bloom.

## Seeds of Biennials and Hardy Perennials

<b>Tritoma</b> Uvaria Grandiflora (Red-Hot Poker Plant or Torch Lily). 40 in. ....	1/4 oz., 45c	\$0.25	\$1.60
Hybrida, Perpetual-Flowering. Mixed. 3 ft. 1/4 oz., 60c	.25	2.20	
Express. Early-flowering, yellow, bud red. 3 ft. ....	.25	....	
Mirabilis. Yellow, blooms first year. 3 ft. 1/4 oz., 50c	.25	....	
Pfitzer's Hybrids. Large brilliant red. 1/4 oz., 75c	.25	2.80	
<b>Trollius</b> (Globe Flower) Ledebouri. Late-flowering, large orange-yellow flowers. 2 ft. ....	1/4 oz., \$1.50	.50	5.40
Ledebouri Golden Queen. Large flowers, petals golden orange, yellow anthers. 3 to 4 ft. 1/4 oz., \$1.75	.50	6.00	
Giant Devonshire. The flowers are 2 to 3 inches across of a glistening glowing orange. ....	.50	....	
Europaeus. Pale yellow. 20 in. ....	.50	5.40	
Hybridus Orange Princess. Bright orange 1/4 oz., \$1.50	.50	5.40	
Mixed. ....	1/4 oz., 1.00	.35	3.60
☞ Soak Trollius seed in hot water 30 minutes before sowing.			
<b>Tunica</b> X Saxifraga. A very pretty tufted plant with light pink flowers produced all summer. May. ....	.15	.80	
<b>Valeriana</b> Alba white (Garden Heliotrope). 36 in. ....	1/4 oz., 50c	.25	....
Rubra (Coccinea). Purple rose. 36 in. 1/4 oz., 25c	.15	.80	
Mixed. White and red. ....	.15	.60	
Officinalis. Heads of rose-tinted white flowers. June-July; with strong heliotrope odor. 4 ft. 1/4 oz., \$1.00	.35	....	
<b>Verbascum</b> Miss Willmott. Large yellowish white flowers. 5 ft. ....	.20	1.20	
Harkness Hybrids. Immense spikes of pure yellow, tall vigorous habit, splendid variety. 7 ft. 1/4 oz., 45c	.25	1.50	
Olympicum. Silvery foliage, golden yellow flowers. 6 ft. ....	1/4 oz., 60c	.25	2.00
Phoenixium Hybrids. Mixed. Graceful spikes in various shades. 2 ft. ....	.15	.90	
<b>Verbena</b> Bonariensis. Upright growing, slender branched stems, numerous terminal umbels of rosy lavender flowers. Germination takes full six weeks unless sown in a temperature of 75 degrees. 3 to 4 ft. ....	1/4 oz., 70c	.25	2.60
Canadensis. Of spreading habit, with large reddish lilac trusses of flowers, produced through entire summer. ....	1/4 oz., 50c	.25	....
<b>Veronica</b> Amethystina. X Long racemes of bright blue flowers. 1 ft. ....	1/4 oz., 70c	.25	2.60
Incana (Candida). Ageratum-blue, silvery foliage. 12 in. ....	1/4 oz., 85c	.35	3.20
Longifolia (Maritima). Compact clusters of blue flowers. 30 in. ....	1/4 oz., 70c	.35	....
Hendersoni Nana. Dark blue, free flowering. 12 in. ....	1/4 oz., \$1.50	.50	....
Repens. X Dwarf branching, pale blue. 2 in. ....	.50	....	
Spicata. Various shades. 18 in. ....	1/4 oz., 60c	.25	2.00
Rosea. Pure pink. ....	.50	....	
Teucrium Prostrata. Mixed. 6 in. ....	.50	....	
Royal Blue. Dwarf bushy habit, bright dark blue flowers. 1 ft. ....	.50	....	
Perennial Species. Mixed. ....	1/4 oz., 70c	.35	....

## Viola

<b>Cornuta</b> Apricot, tinted orange at base. ....	1/4 oz., \$1.50	.35	5.00
Admiration. Very large circular purple flowers. 8 in. ....	1/4 oz., \$1.00	.35	....
Arkwright Ruby. Bright ruby crimson, with central markings; velvety; fragrant. 1/8 oz., \$1.00	.35	6.00	
Avalanche. Giant pure white. ....	.50	....	
Black Prince. Flowers nearly black. 8 in. ....	.25	....	
Blue Beauty. Bright blue, early, free flowering. ....	.35	....	
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield. ....	1/4 oz., \$1.10	.35	3.80
Blue Perfection. Light blue, large flowered. 8 in. ....	1/4 oz., 85c	.35	2.80
Chantreyland. Masses of beautiful flowers in rich apricot shade, tinted orange toward the center. ....	1/8 oz., 75c	.50	5.00
Golden Orange. Free flowering. ....	1/4 oz., 80c	.35	....
G. Wermig. Rich violet-blue. 8 in. 1/4 oz., \$1.60	.50	....	
White Wermig. 8 in. ....	1/4 oz., 70c	.35	....
Ilona. Wine-red. ....	1/4 oz., \$1.25	.35	4.00
Jackanapes. Upper petals dark mahogany, three lower ones bright yellow. ....	....	....	....

## VIOLA Cornuta—Continued.

Trade pkt. Oz.

Jersey Gem. Compact habit, deep violet-blue. 8 in. ....	Free flowering. ....	1/4 oz., \$3.20; 1/8 oz., \$1.80	\$0.50	....
King Henry. Rich violet blue lavender center with small yellow eye. ....	1/8 oz., \$1.00	.50	....	
Lutea Splendens. Chrome yellow. 8 in. 1/4 oz., 80c	.35	....		
Mauve Queen. Reddish violet, 8 in. ....	1/4 oz., 70c	.35	....	
Papilio. Blue and white, 6 in. ....	1/4 oz., 75c	.35	\$2.60	
Primrose Dame. Sulphur yellow. 8 in. ....	.50	....		
Primrose Perfection. A good yellow. 1/4 oz., \$1.40	.35	4.80		
Puck. The 2 upper petals are clear purple-violet, the 3 lower, golden yellow. 6 in. ....	1/4 oz., \$1.40	.35	4.80	
Rosea, 6 in. varies. ....	....	....	....	
Spring Messenger. Bright rich purple. ....	....	....	....	
White Perfection. White. Large fld., 8 in. 1/4 oz., 85c	.35	2.80		
W. H. Woodgate. Violet-purple, large, round flowers. ....	.50	....		
Yellow Queen. Deep yellow, large size and good substance. ....	.50	....		
Vaughan's Improved Scotch. Three and five blotched in splendid mixture. ....	1/4 oz., 60c	.25	2.20	
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. ....	1/4 oz., \$1.20	.50	4.00	
Mixed. ....	1/4 oz., 60c	.25	2.20	
Baby Delight. Early flowering, blooming in 70 days from seed. Makes compact bushy growth. The flower is lovely light blue, with a pleasing "face," about one inch in diameter. ....	1/4 oz., \$1.20	.35	4.00	

## Viola—Various Types

Bosniaca. Free-blooming, small deep purple flowers, 4 in. ....	1/4 oz., 90c	.25	3.00	
Brittoniana. Large blossoms of deepest purple, long stemmed, makes upright, ornamental tufts of slashed foliage. ....	.35	....		
Calcarata. A long stemmed variety. Makes dense wide cushions set above with flowers. A royal indigo with radiate pencillings but there will also be purple, cream or rare pink lilac. ....	.50	....		
Florariense. Beautiful lavender. ....	1/8 oz., \$1.50	.50	....	
Gracilis Lord Nelson. Violet-purple, 6 in. ....	1/4 oz., 90c	.35	....	
Eisenach Jewel. Small-flowered, deep violet. ....	.50	....		
Johnny Jump Up. Little Pansy faces of purple, blue and yellow. ....	1/16 oz., \$1.00	.50	....	
Jooi. In full flower by early April, before its own leaves appear. It is then a cushion mound of pink lilac, hundreds of blossoms in a veritable color-turf of their own making. Usually reblooms in autumn. Sometimes called Jewel Violet. ....	.50	....		
Nigra (Bowles Black Pansy). Interesting and attractive little pansy, pretty small black flowers. ....	1/8 oz., \$1.50	.50	....	
Saxatilis. Myriad flowers carried well over the low, spreading plants. There will be golden yellow, lemon, lavender, mauve and rosy lilac, but perhaps most plentiful are the two-tone flowers, where a mellow honey-gold shades into smoky purple-violet. ....	.35	....		
<b>Wallflower.</b> Double Annual "Early Wonder." This remarkable Wallflower comes into bloom within 5 months from sowing. These must be grown in 4-inch flats; they do not like too much root room. 2 ft. ....	....	....	....	
Canary-Yellow (Gold Standard) ....	1/4 oz., 75c	.25	....	
Golden Yellow. ....	.25	....		
Dark Brown. ....	1/4 oz., 75c	.25	....	
Violet. ....	.25	....		
Double Annual Early Wonder, Mixed. ....	1/4 oz., 50c	.25	1.80	
Double Tall Branching, mixed. ....	....	....	....	
Single Goliath. Early-flowering dark brown. 2 ft. ....	.15	.50		
Mixed. ....	.10	.30		
Parisian Forcing, mixed, 15 in. ....	.15	.60		
Annual Blood-Red. ....	.10	.40		
Yellow, 20 in. ....	.10	.40		
<b>Wistaria</b> Sinensis. A beautiful Chinese climber; flowers pale lilac purple, borne on long drooping racemes. ....	.10	.30		
<b>Yucca</b> Filamentosa (Adam's Needle). Broad, sword-like evergreen foliage, immense branching spikes of drooping creamy white flowers. ....	.15	.50		

Rock Plants are followed by X, and the heights given are of the plants when in bloom.

# Vaughan's Peonies

5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

WE HAVE an exceptionally large stock of our own growing. Strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in established plantings need to be fed each Spring. A top-dressing of Vaughan's Plant Ration (5-8-7) well worked in will do wonders, but it should be applied early.

## WHITE AND LIGHT SORTS

8.8 Alsace Lorraine. Creamy white, center tinted Havana brown. Very beautiful form; late midseason...	Each	10	100
8.7 Avalanche. A magnificent flower which opens like a rose. Pure snow-white, with a few pencillings of carmine on the edge of the center petals. Delightfully fragrant; late midseason. A very good cut flower and good storage variety.....	\$0.30	\$2.00	.....
9.0 Baroness Schroeder. Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby-pink, changing to creamy white. One of our best cut flower varieties and an excellent keeper in storage.....	.25	1.75	\$15.00
8.1 Duchess de Nemours. Superb, cup-shaped, sulphur-white flowers with a greenish reflex that lights up the entire flower. Early, free bloomer; fragrant. Good commercial variety.....	.30	2.50	18.00
9.3 Festiva Maxima. Very popular large white. Early.	.20	1.50	12.00
7.9 Mad. de Verneville. One of the most fragrant of all Peonies. Flowers are very full and double, pure white, with center delicately tinted blush. An extra free and reliable bloomer. Early.....	.20	1.75	15.00
9.4 Mme. Jules Dessert. White with delicate tints of flesh and straw. Strong growing, free flowering and a great prize winner; midseason.....	.40	3.50	.....

## LIGHT AND DARK PINK AND ROSE

7.6 Edulis Superba. Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.....	.20	1.50	12.00
7.9 Georgiana Shaylor. Pale rose-pink; midseason..	.40	3.00	.....
9.2 Mons. Jules Elie. By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety.....	.35	3.00	25.00
8.7 Reine Hortense (President Taft). One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason. This variety and Sarah Bernhardt are two pink Peonies of highest quality for all purposes.....	.35	2.50	20.00
9.0 Sarah Bernhardt. One of the best pink Peonies in the world. Tall, vigorous grower and prolific bloomer. The color is a dark rose-pink, edged lighter pink; center flecked crimson. Fine cut flower and storage variety; late midseason.....	.35	2.50	20.00

Our complete collection of Peonies, including new varieties, will be listed with prices in our Fall Book For Florists, ready about September 1st.

## RED AND CRIMSON

8.4 Felix Crousse. Large globular blooms of rich, even, brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety.....	Each	10	100
8.2 Grover Cleveland. Rich dark crimson; late.....	\$0.20	\$1.80	\$15.00
8.8 Karl Rosefeld. Very large flower, globular, semi-rose type. Extremely vigorous grower; tall, early.....	.25	2.00	15.00
8.7 Mary Brand. Vivid crimson of immense size; full double; a free-bloomer and a strong grower; delightful fragrance; midseason.....	.40	3.00	.....
8.6 Officialis Rubra Plena. Old-fashioned early red usually in bloom by Decoration Day.....	.40	3.50	25.00
9.2 Philippe Rivoire. Brilliant crimson.....	1.00	9.00	.....
8.8 Richard Carvel. Large globular flowers of uniform bright crimson. Tall annual and profuse bloomer. Delicate fragrance. Excellent for cut-flowers; usually in bloom for Decoration Day.....	.35	3.00	25.00

## JAPANESE-FLOWERED PEONIES

9.2 Gold Mine. Petals deep rose; deep gold center....	.30	2.00	18.00
9.3 Isani Gidui. Large pure white with buff-yellow center. Spectacular and very beautiful.....	1.50	.....	.....
8.6 Mikado. Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids; edged and tipped gold.....	.40	3.50	30.00

## SINGLE PEONIES

Unusually fine for Landscape Work

Fusuyama. Soft-colored flesh-pink.....	.25	2.00	18.00
8.4 La Fiancee. Pure white.....	.35	3.00	25.00
Nymphé. Large flowers of bright flesh pink, golden stamens.....	.40	3.00	.....
7.3 Veloutine. Large single cup-shaped flower, like a tulip; Tyrian purple with velvety reflex.....	.30	2.00	15.00

## UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

	Each	10	100
Double Pink.....	\$0.15	\$1.00	\$ 8.00
Double White.....	.15	1.20	9.00
Double Red.....	.20	1.50	10.00
Double Mixed.....	.15	1.00	6.00

# FORCING ROSES

## POLYANTHA AND BABY ROSES

PRICES of the following. XXX Forcing Grade. Per 10, ea. 40c; per 100, ea. 33c; per 250, ea. 31c; per 500, ea. 29c; per 1000, ea. 28c.  
**Brilliant Echo.** Improved Echo, like Roserie in color but of more uniform rosy pink.  
**Crimson Baby Rambler.** Still a favorite. Light crimson flowers in clusters of 30 to 40.  
**Gloria Mundi.** New. Double, lasting flowers of glowing orange-scarlet, borne in large clusters.  
**Golden Salmon.** Bright orange-salmon flowers in huge clusters. Blooms continuously.  
**Ideal.** Decidedly an outstanding variety, flowers brilliant garnet-red, keeping their color well.  
**Mrs. R. M. Finch.** Double soft rosy-pink flowers, 2 inches in diameter. A very fine color.  
**Triomphe Orleansais.** Brilliant cherry-red, lasting in color; blooms profusely in trusses. Considered the finest of the light red Polyanthas.

## VAUGHAN'S IRISES

We have a large collection of Hardy German and Japanese Irises, including the best of the newer varieties. Write for price list which will be ready about July first.

## SPHAGNUM MOSS

Bright, Clean, New Growth, Free from Brush or Grass

THE BEST GRADE OF SPHAGNUM

is being worked out in Wisconsin districts. Choice dependable quality is worth more money than last year. We quote L. C. L. lots as follows:

For carloads write us.

**BURLAPPED BALES.** (45x14x16 inches) F. O. B. Wisconsin Points.  
**BURLAPPED BALES.** (Size as above) F. O. B. CHICAGO. New York Prices, 35 cents per bale higher. Cartage free.

Present Moss Supply very scarce. New Moss and Prices available about June 15. Write for Prices.

**GREEN SHEET MOSS.** For windows, baskets, etc. Per sack, \$1.35; 5 sacks, \$6.25.

## SOD SPIKER

Easy to handle, is the scientific lawn aerator, ea., \$1.60; 3 for \$4.50.

## SOIL SOAKER

Irrigation hose for deep soaking. No. 0—12 ft., each, \$1.00; six for \$5.00; No. 1—18 ft., each, \$1.35; six for \$7.00; No. 2—30 ft., each, \$2.10; six for \$11.00. No. 3—50 ft., each, \$3.25; six for \$18.00.

## TISSUE, American

Beauty. 24x36 inches, F.O.B. New York, ream (480 sheets), \$1.40; 10 reams (4800 sheets), \$11.85; F.O.B. Chicago, ream (480 sheets), \$1.15; 10 reams (4,800 sheets), \$10.25.



## SYRINGES.

BRASS.



No. 11. Length 18 inches, 1 stream, 2 sprays, \$6.25.

No. "0." Length 12½ in; diameter 15/16-inch. Ea., \$2.50.

No. 5. Best for general green house use, \$7.00.

## HORMONES AND VITAMINS B-1

**ZOOM B-1.** The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price \$1.00. Display carton of 12 bottles, \$7.33.

**HORMODIN POWDER.** Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00.

No. 1 Powder 1½-oz. tin, each, 50c; lb., \$3.00.

No. 2 Powder 1½-oz. tin, each, 75c; lb., \$4.50.

No. 3 Powder 1-oz. tin, each, \$1.00; lb., \$4.50.

# ROOTONE

PATENTS PENDING

jar, enough to treat 3,000 cuttings, \$1.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet all postpaid.

**TRANSPLANTONE.** For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth, 1 oz., 50c; 3 oz., 1.00; 1 lb., \$4.00.

**MAKVIN VITAMIN B1.** A display card of 24—½ oz. bottles of liquid vitamin B1. Price \$5.30; retails at 35c each.

**FULTON'S PLANTABS.** Odorless plant food in tablet form; supply a B-1. Put up in boxes, 10c size, doz, 75c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; 100c size, doz., \$8.00; \$3.50 size, each, \$2.35. Special discount of 5% on orders totaling \$6.00.

A hormone powder easy to use; anyone can apply safely; no skill is needed to apply Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, ¼-oz. pkt., 25c; doz., \$2.00; 2-oz. jar, \$5.00.

# Rubber Hose and Sprinklers

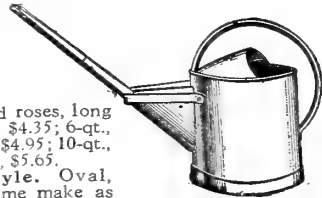
## VAUGHAN'S FLORIST GUARANTEED HOSE

A brand of hose manufactured especially for greenhouse use. Molded hose of highest quality; thick, sturdy hose wall and two braids of heavy cord, make it suitable for use by florists. Comes in bales of 500 feet; order exact number of feet you require. We can cut in any length.

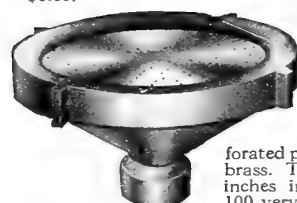
**Guarantee**—We guarantee Florist Hose against all defects in quality or workmanship for the period of one year. This guarantee does not cover improper handling or abuse. We are headquarters and can meet competition.

25 to 49 feet... per ft. 18½¢ 50 to 99 feet... per ft. 18¢ 100 to 400 feet... per ft. 17½¢ In bales of 500 ft. per ft. 17c.  
**CORRUGATED HOSE.** High grade molded hose suitable for use by florists and contractors on golf greens, in cemeteries, public parks and large estates. Price, 50 to 100 feet, 12½¢ ft.; 100 to 500 feet, 12c ft. Price ¾ or ½-inch Couplings, 20c per set; sample mailed free if desired.

**WATERING POTS.** American. Heavy galvanized round can, 2 copper-faced roses, long spout. 4-qt., \$4.35; 6-qt., \$4.75; 8-qt., \$4.95; 10-qt., \$5.25; 12-qt., \$5.65.  
**French Style.** Oval, otherwise same make as above 6-qt., \$5.60; 8-qt., \$5.95; 10-qt., \$6.25; 12-qt., \$6.60.



French Style



### HOSE NOZZLES.

"Chicago".

Covers more space than any other hand-watering device. Made entirely of aluminum, except removable perforated plate of heavy sheet brass. Two plates, each ¾ inches in diameter, about 100 very fine holes in each.

giving both fine and coarse effective sprays. Florists like it. Price, \$3.00.

**PERFECT CLINCHING HOSE COUPLER.** ¾-inch. Per pair, 30c; pr doz., \$2.60.

**PERFECT CLINCHING HOSE MENDER.** Each 12c; doz., \$1.00.



**HOSE COUPLING, Ever-Tight.** No more waste of time, just press the lever, instant tight connection a great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 45c; doz., \$4.80.

**HOSE WASHERS.** ¾-inch. Doz., 5c; gross, 50c. "Gem"—Throwing all variations, from fine spray to stream. Each, 65c; doz., \$6.60.

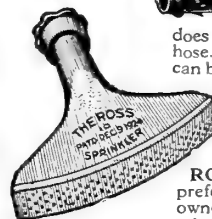


**Paradise Syringing Nozzle.** 10-inch, each, \$2.50; 18-inch, each, \$3.00; extra tips, each, 35c.  
**Boston Rose Spray Nozzle.** Brass, ¾-inch hose. State whether coarse or fine spray is wanted. Each, \$1.25; by mail, \$1.35.



**HOSE MENDER, The Cooper.** It is simple, practical and effective. It does not reduce the diameter of the hose. It will not rust or wear out. It can be used as many times as desired.

You need no mechanical skill to adjust them. Price: For ½- or ¾-inch hose, each, 10c; 4 for 35c; doz., 85c. 1-inch hose, each, 15c; doz., \$1.20.



**ROSS No. 10 SPRINKLER.** Is preferred by growers and home owners capacity seven gallons per minute; Each, 75c; doz., \$7.50.

### ROSS SQUARE SPRAY HEADS

It sprinkles a square making it easy for you to install your own underground system at a very low cost. Threaded for ½-inch pipe, capacity ¾ gals. per minute. Has a slotted adjusting screw to control the area of the spray.

No. 54A. Price, per doz., \$5.00.



# Vaughan's High-Grade Fertilizers

The highest grade only. Guaranteed analysis. Prices net cash and subject to market fluctuations.

Prices for Florists F. O. B. New York.

**SUPERPHOSPHATE.** 20% bone phosphate in the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. Price, 25 lbs., 80c; 50 lbs., \$1.10; 100 lbs., \$2.00; 500 lbs., \$8.00; 1,000 lbs., \$14.00; 2,000 lbs., \$26.00.

**BONE AND BLOOD.** For garden crops use 500 lbs. per acre. Price, 25 lbs., \$1.15; 50 lbs., \$1.85; 100 lbs., \$3.25; 500 lbs., \$16.00; 1,000 lbs., \$30.00; 2,000 lbs., \$58.00.

### BONE, BLOOD AND POTASH (Analysis) 5-8-7

Excellent for mixing into potting soil or as a top dressing. Use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of water. 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 1,000 lbs., \$23.00; 2,000 lbs., \$45.00.

### BONE MEAL—VAUGHAN'S ROSE GROWER

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. It is made from bone accumulated in large slaughter houses. Analysis: Nitrogen 3.7 per cent; total phosphoric acid, 20 per cent. Price, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., \$1.25; 50 lbs., \$2.00; 100 lbs., \$3.25; 500 lbs., \$15.00; 1,000 lbs., \$27.50; 2,000 lbs., \$48.00.

**REGULAR BONE MEAL.** 25 lbs., \$1.10; 50 lbs., \$1.80; 100 lbs., \$3.00; 500 lbs., \$13.00; 1,000 lbs., \$24.00; 2,000 lbs., \$45.00.  
**RAW BONE COARSE.** Price, 100 lbs., \$3.50; 500 lbs., \$16.00; 1,000 lbs., \$30.00; 2,000 lbs., \$55.00.

**DRIED BLOOD.** For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. Price, 25 lbs., \$1.75; 50 lbs., \$2.50; 100 lbs., \$4.45; 500 lbs., \$22.00; 1,000 lbs., \$42.50; ton, \$83.00.

**FAIRWAY GRASS FOOD.** Compounded for feeding grasses and for no other purpose; recommended by leading turf specialists for use on lawns, golf courses and parkways. Price, 25 lbs., \$1.50; 50 lbs., \$2.50; 100 lbs., \$4.00; per ton delivered, \$65.00.

Write for quantity prices.

**GRANULATED BULB FERTILIZER.** Many bulb growers are increasing their bulb stock 50 to 100% and getting bigger and better flowers by using the special Granulated Bulb Fertilizer. 2-20-30, 100 lbs., \$6.00; 500 lbs., \$28.00; 1,000 lbs., \$47.50; ton, \$35.00.

### GRANULATED FERTILIZER

The commercial grower can now save money and get even distribution by using the dustless, non-caking, free flowing Granulated Fertilizer. For lawns and shrubs 6-6-5, 100 lbs., \$3.25; 1,000 lbs., \$30.00; ton \$55.00. For gardens 5-8-7, 100 lbs., 3.00; 1,000 lbs., \$28.00; ton, \$50.00.

**LOMA.** A well balanced plant food for all plants. Price, 1-lb. pkgs., 24 in case, per case, \$1.44; 5-lb. carton, 12 in a case, per case, \$3.60; 10-lb. bags, packed, 10 in a jute sack, per sack, \$5.70; 25-lb. bags, 4 in a sack, per sack, \$4.20; 50-lb. bags, 2 bags to a sack, per sack, \$3.54; 100-lb. bags, \$2.90 (300 lbs. or over Freight Prepaid). Prices slightly higher in New England States.

**HARDWOOD ASHES.** (Imported). A fall lawn dressing. Insures a thrifty growth and dark color. Price, 25 lbs., 90c; 50 lbs., \$1.65; 100 lbs., \$2.75; 500 lbs., \$13.00; 1,000 lbs., \$22.00; 2,000 lbs., \$42.00.

**HYPONEX.** Contains Vitamin B1. 3-oz. size packed 36 to carton, retails at 25c each. Price, per carton, \$6.00; 1-lb. size, retails at \$1.00, packed 12 to carton. Price per carton \$8.00.

**HORN DUST.** Contains approximately 18% Ammonia, ground fine, acts quicker than Horn Shavings. 25 lbs., \$2.00; 50 lbs., \$3.25; 100 lbs., \$5.00.

**NITRATE OF SODA or Chili Saltpeter.** Nitrate of Soda is not a substitute for other

Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must furnish the plant with Nitrogen.

Price (subject to market changes), 25 lbs., \$1.40; 50 lbs., \$2.10; 100 lbs., \$3.00; 1,000 lbs., \$28.00. Write for prices on larger quantities.

**SHEEP MANURE WIZARD BRAND.** This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Price, 25 lbs., 90c; 50 lbs., \$1.65; 100 lbs., \$2.35; 500 lbs., \$11.50; 1,000 lbs., \$21.00; 2,000 lbs., \$40.00.

Growers report gratifying results with seedlings, cuttings and growing plants on benches and in fields. Damping off reduced 75% by starting seeds in sand; transplanting made in half the time. By promoting strong root growth, Kem causes grass to grow quicker and stronger. Dilutes up to 89 parts water to 1 part Kem. Price, 12 oz., size retails for 25c; doz., \$2.00; quart size, retails for 60c; doz., \$4.80; gal., size, retails for \$1.25; case of 4 \$4.50.

**SHREDDED CATTLE MANURE WIZARD BRAND.** An efficient, high-grade natural fertilizer for all general purposes, manufactured by special process, from selected fresh cleanings from cattle pens. Price, 100 lbs., \$2.60; 500 lbs., \$12.50; 1,000 lbs., \$23.00; 2,000 lbs., \$44.00.

**ELECTRA 4-9-3.** A great favorite with private estate gardeners and commercial growers. High in organics. 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$6.75.

**VIGORO.** It contains all elements plants need for healthy growth, because it is a complete plant diet. A good seller. Price, 100-lb. bag, \$2.75; 50-lb. bag, \$1.70; 25-lb. bag, \$1.00; 10-lb. pkg., 6 to a case, \$3.36; 5-lb. pkg., 14 to a case, \$4.06; 1-lb. pkg., 32 to a case, \$1.92.

**IMPORTANT.** The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

We are not responsible for loss of weight, due to evaporation, of imported fertilizers.

**DAYCO**  
TRADE MARK REG. U. S. PAT. OFF.  
**GRANULATED FERTILIZER**



# Wire, Stakes and Supplies

## PLANT STAKES—A FULL LINE

Japanese Bamboo Stakes, Plain and Green Painted.

	F.O.B. Chicago	Per Bale of	F.O.B. New York
Green.	Per 100	Per 1000	2000
1 1/2 feet...	\$0.45	\$2.25	\$3.50
2 feet...	.65	3.00	4.50
2 1/2 feet...	.75	3.50	5.25
3 feet...	.95	4.20	6.95
3 1/2 feet...	1.15	4.95	8.50
4 feet...	1.25	6.00	9.90
Natural.			
6 feet...	1.50	9.85	1.25

Write for price in bale lots.

Pipe Stems, 4 to 6 ft. long, weight, per 1,000, 54 lbs. F.O.B. Chicago, 100 for 95c; 500, \$3.25; 1,000, \$6.00.

Write for price on Green Painted light and heavy wood stakes.

Heavy Chinese Tonkin Stakes, Natural Colors. Heavy weight bamboo. Entire stake same weight, do not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Last a lifetime.

Length	Diameter	F.O.B. New York	F.O.B. Chicago
		Per 100	Per 1000
4 ft.	1/4 to 3/8 inch.....	\$3.00	\$3.45
4 ft.	3/8 to 1/2 inch.....	3.85	4.60
5 ft.	3/8 to 1/2 inch.....	4.10	4.75
6 ft.	3/8 to 1/2 inch.....	4.85	5.35
8 ft.	3/8 to 1/2 inch.....	5.60	6.45

Galvanized Steel Wire Stakes. Far superior to wooden stakes and practically indestructible. We supply largest buyers. Price subject to change without notice. We can also supply 12-gauge stakes, write us for price on quantities, delivered to your nearest freight depot.

No. of Gauge—	Per 100	Per 500	Per 1000	No. 8 Wire	Per 100	Per 500	Per 1000
No. 9 Wire							
3 ft...	\$1.60	7.25	\$12.60	\$1.90	9.50	\$14.75	
4 ft...	1.85	8.50	14.75	2.30	10.25	17.75	
5 ft...	2.30	11.00	19.75	2.85	13.60	21.50	
6 ft...	2.70	12.60	23.50	3.45	14.95	24.75	

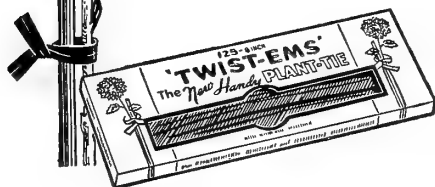
PLANT TIES, Lighting Wire. Per box of 1000, \$2.00; 5 or more boxes, \$1.80 per box. Shipping weight per box, 2 lbs.



CLIP, Blake's New Loop Lever.

For roses, 'mums, etc., up-to-the-minute stake holders; holds stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price, \$2.00 per 1,000, 5,000 for \$9.50. Samples mailed free.

STAKE FASTENERS. Everlasting, packed 500 to a box, per box, \$1.25; 10 boxes or more, \$1.10 each.



### TWIST-EMS

New handy plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury. Price: 4-inch, per 1000, 75c; 5000 lots at 60c per 1000; 25,000 lots 58c per 1000. 8-inch, per 1000, \$1.10; 5000 lots, \$1.05 per 1000; 25,000 lots \$1.00 per 1000.

Retail pkg. consisting of 12 pkgs. of 4-inch and 12 pkgs. of 8-inch ties in attractive display carton. Price \$4.00; retail for \$6.00.

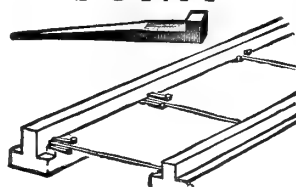
### MASTICA, For Glazing Greenhouses

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side). Price, per gal., \$2.45; 5 gals., \$11.75; 10 gals., \$23.00.

VAUGHAN'S GREENHOUSE BULBING CEMENT. One gallon to 300 lineal feet. Apply with Mastica Machine or Bulber, 60, 40 and 20 gallon drums, per gal., \$1.00; 10 and 5 gal. drums, per gal., \$1.30; 1-gal. can, \$1.50. Glazing gun gratis with 60 or 40 gal. drum.

GARLANITE. The original white glazing compound. Price, 40 and 60 gals., \$2.30 per gal.; kegs, 10 and 20 gals., \$2.35 per gal.; 5 gal. cans, \$2.50 gal.; 1 gal. cans \$2.55 each; 10 gals. or more prepaid.

PUTTY BULB, Scollay's. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, \$1.35; 3 for \$3.75; doz., \$13.00; in three doz. lots, doz., \$12.50; in six doz. lots, doz., \$12.00. If by mail (weight under 1 lb.).



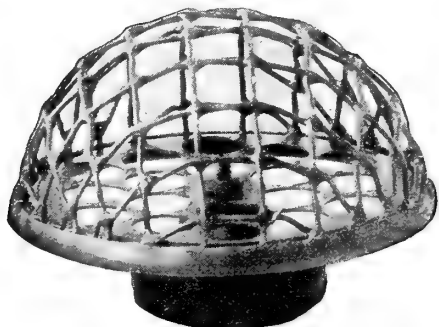
Write for prices in larger quantities.

SIEBERT'S IMPROVED. Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out when repairing greenhouse roof. Two sizes, 3/8 and 1/2-inch long, put up in 1 lb. packages. Over 1,500 points in 1-lb. pkg. of 3/8; over 1,000 points in 1-lb. pkg. of 1/2. Price, per lb., 50c; 5 lbs. \$2.35; 20 lbs., \$8.50.

FLOWER TUBS. "Richmond Style." These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Florists will find them ready sellers where a substantial yet attractive tub of moderate price is required. Stamped steel handles are also supplied at an additional charge as below. Prices, F. O. B. Chicago or New York. Prices subject to change without notice.

No.	Inside Diameter	Depth Inside	Price, Each	Four for
No. 1	7 in.	6 in.	\$0.65	\$ 2.40
No. 3	8 in.	8 in.	.75	2.80
No. 5	10 in.	9 in.	.90	3.40
No. 7	12 in.	11 in.	1.15	4.40
No. 9	14 in.	13 in.	1.75	6.60
No. 11	16 in.	15 in.	1.95	7.60
No. 13	18 in.	17 in.	2.85	11.20
No. 14	19 in.	18 in.	3.40	13.20

If handles are required, add 35c per tub.



Suction Flower Holders. Made of metal, round shape, with square wire mesh dome, finished in green bronze with rubber vacuum cup in bottom which prevents tilting over when long-stem flowers are used. No florist should be without these wonderful sellers.

### SUCTION FLOWER HOLDERS.

Diameter	Per Doz.
3-inch.....	\$3.00
4-inch.....	4.00
5-inch.....	5.00

## GALVANIZED VASES

A Good Variety of Sizes in These Flower Vases. And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.



Style	Top Diameter	Bottom Diameter	Height	Price, Per Doz.
253	4 3/4 in.	3 1/2 in.	10 in.	\$4.90
255	6 1/2 in.	5 1/4 in.	12 in.	6.60
257	6 1/2 in.	5 1/4 in.	15 in.	7.20
57	5 in.	3 1/2 in.	5 in.	3.80
59	6 1/2 in.	5 1/4 in.	7 in.	5.60
65	7 1/2 in.	6 1/2 in.	8 in.	6.40
66	9 in.	7 1/2 in.	10 in.	7.50
68	9 in.	7 1/2 in.	12 1/2 in.	9.60
69	9 in.	7 1/2 in.	18 in.	10.80
70	9 in.	7 1/2 in.	24 in.	12.60

### WIRE. Bright Annealed.

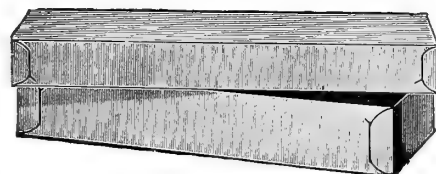
(Prices subject to change.)

Per 12 lbs.	Per 12 lbs.
No. 18.....\$1.35	No. 26.....\$2.15
No. 20.....1.50	No. 28.....2.50
No. 22.....1.70	No. 36.....3.95
No. 24.....1.95	

### FLORISTS' CUT WIRE.

Clean, extra soft white wire, cut in 12 or 18-inch lengths, 12 lbs. to box.

No.	18	20	21	22	24	26
Price...	\$1.40	\$1.50	\$1.65	\$1.80	\$2.50	\$3.10



## CUT-FLOWER BOXES

Printing any single color. Per 1,000, \$2.75.

Printing gold or silver. Per 1,000, \$4.00.

When ordering printed boxes, allow a week or ten days extra for delivery.

VAUGHAN'S "GREEN" GRADE. Fine, green-lined, moisture-proof board. Very popular. Shallow Lid.

Size in inches	Per 25	Weight	Per 100
18 x 5x3.....	\$1.40	30 lbs.	\$4.35
3 x 21x5.....	1.50	40 lbs.	4.60
3 1/2 x 24x5.....	1.65	50 lbs.	5.45
3 1/2 x 30x5.....	1.90	65 lbs.	6.25
5 x 24x8.....	2.45	70 lbs.	8.50
5 x 28x8.....	2.65	90 lbs.	8.95
5 x 36x8.....	3.25	125 lbs.	11.60
5 x 42x8.....	4.40	165 lbs.	15.95

### FLORAL DESIGN BOXES. Mist gray. Full telescope.

No.	Per 25	Per 100
No. 25 8x30x14.....	\$5.85	\$22.95
No. 26 8x36x14.....	7.20	25.95
No. 27 8x20x20.....	5.85	22.95
No. 28 8x24x20.....	8.25	31.00

Packed 25 complete per bundle.

### CORSAGE BOXES. Mist Gray.

100	100
10x6x5 1/2, 30 lbs. \$4.60	12x8x5 1/2, 45 lbs. \$5.75

Write for Special Discounts on quantity orders.

ELECTRO STATIC LAMP  
The Light that Kills  
(Ignis Mortis)

Rid your home, garden and greenhouse of insect pests by installing one or more Electro Static lamps, which will exterminate by electrocution of all insects attracted to it by the light at night and bait in daytime. Operating cost a mere trifle. Harmless to domestic animals. Price, \$13.85.



# Insecticides and Fungicides

Add Postage According  
to Weight and Zone  
(See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on

the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

**ANTROL ANT POWDER.** Kills ants, roaches silverfish and other pests. Packed in handy shaker twist-top can. Each, 15c; doz., \$1.20; carton of 24 \$2.40.

**ARSENATE OF LEAD.** (Dry). For dusting and spraying. 1 lb., 30c; doz., \$2.52; case of 24, \$4.80; 4 lb. bag, 75c; case of 48 lbs., \$5.40; 100 lbs., \$10.00.

**BLACK ARROW DUST.** A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 80c; Doz., \$6.40; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$8.95; 50 lbs., \$16.75; 100 lbs., \$32.00.

**BORDEAUX MIXTURE.** (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 30c; doz., \$2.34; 4 lbs., 70c; 24 lbs., \$3.00.

**CARBON DISULPHIDE.** For ants and cut worms. 1 lb., 50c; 1/2 lb., 25c. Doz., \$2.00.

**CALCIUM ARSENATE.** (Dry.) Lb., 30c; 4 lbs., 70c. **COPPER SULPHATE.** Crystals. 10 lbs., \$1.50; 25 lbs., \$3.00; 100 lbs., \$10.00.

**CUPROCID YELLO.** Fungicide plant spray. Price per 3 lbs., bag, \$1.35; case of 48 lbs., \$13.88; 100 lbs., \$39.50.

**CUPROCID RED COPPER OXIDE.** Use for dusting seeds to insure germination and prevent damping off. May be used as a spray for mildew. 1 lb., 90c; 5 lbs., \$3.75; 20 lbs., \$8.50.

**CYANOGAS "A" GRADE.** For moles, rats, gophers, and other ground rodents. (By express only.) 1/2 lb., doz., \$3.60; 1 lb., doz., \$6.00; 5 lbs., each, \$3.00. 4-oz. tins for ants, doz., \$2.40; 25 lbs., \$10.00; 100 lbs., \$25.00.

**CYANOGAS CALCIUM CYANIDE "G."** Green-house fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. (By express only.) 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00. Write for leaflet. Freight prepaid on 100 lb. lots.

**DERRISOL.** Is an odorless non-poisonous liquid, which will control sucking insects like aphids, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; doz., \$2.70; 2 lbs., \$3.00; 10 lbs., \$12.00.

**DENDROL DORMANT.** Spray oil. Price, per gal., \$1.25; 5 gals., \$3.45; 15 gals., \$8.80; 55 gals., \$33.00.

**DOGZOFF.** Keep dogs and other animals away from trees, shrubs, evergreens, etc. Bottle, 60c; doz., \$4.80; gross, \$46.08.

**DRY LIME SULPHUR.** For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; doz., \$3.00; 5 lbs., \$1.50; 25 lbs., \$4.50; 100 lbs., \$11.50.

**FISH-OIL SOAP.** Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; doz., \$2.50; 5 lbs., 95c; 10 lbs., \$1.85.

**FLOWERS OF SULPHUR.** Dusting grade. Lb., 15c; 10 lbs., \$1.00; 50 lbs., \$2.45; 100 lbs., \$3.85.

**FORMALDEHYDE DUST.** Control "Damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., \$2.00; 25 lbs., \$5.50; 50 lbs., \$9.00.

**FUME TOBAC.** 25 lb., drum, \$5.00; 50 lb., drum, \$8.00; 100 lb., drum, \$15.00.

**FUNGINE.** New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 60c; 1 qt., \$1.00; gal., \$3.00.

**GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. 1 lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.25.

**GRASSLI S. S. 3 COMBINED SPREADER AND STICKER.** Designed especially for use with agricultural sprays. Price, pt., 75c; gal., \$4.75.

**HELLEBORE POWDERED, White.** Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per 1/4 lb., 20c; 1/2 lb., 35c; lb., 60c; 5 lbs., \$2.25; 10 lbs., \$4.00.

**HITOX.** Effective double active insecticide. Pint, \$1.75; qt., \$3.00; gal., \$9.00; 5 gals., \$40.00.

**LEMON OIL.** Destroys mealy bug, scale, red spider. 1/2 pt., 30c; pt., 50c; qt., 75c; 1/2 gal., \$1.50; gal., \$2.50; 5 gals., \$10.00.

**LETHANE-440.** A very effective insecticide for controlling red spider and mealy bug. Qt., \$2.00; gal., \$5.50; 5 gals., \$25.00; 15 gals., \$67.50.

**LETHANE SPREADER.** Gal., \$1.80; 5 gal. can, \$8.50.

**LIME SULPHUR SOLUTION.** Qt., 50c; gal., \$1.25; 5 gals., \$4.00.

**LORO.** A new contact insecticide for controlling aphids, thrips, red spiders, etc. Pint, \$2.00; gal., \$10.50; 5 gals., \$45.00.

**McCONNON 114Y SPRAY.** Qt., \$2.50; gal., \$8.50; 5 gals., \$37.50; 10 gals., \$70.00.

**NAPHTHANE FLAKES.** 10 lbs., \$1.35; 25 lbs., \$3.25.

**NAPTOCID.** New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 5 lbs., \$1.35; 25 lbs., \$4.35; 50 lbs., \$7.25; 100 lbs., \$13.75.

**"NICO-FUME."** A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, \$1.25; 144 sheets, \$4.50; 288 sheets, \$8.00.

**NICO-FUME LIQUID.** For fumigating or spraying; contains 40 per cent nicotine. 1 lb., \$2.25; 4 lbs., \$5.75; 8 lbs., \$10.00; 40 lbs., \$40.00.

**NICO-ROTE.** A combination of Nicotine and Rotenone. Kills by contact and fumes. Qt., \$4.00; gal., \$12.00.

**NICOTINE.** Fumigating powder. 10 lb. cans, \$5.85.

**NICO-FUME HOLDER.** For 1 lb. size pressure fumigator adaptor is included for the 1/2 lb. size. Price, each, 85c.

## Items You Can Sell

Following popular insecticides are  
priced in quantity for your use and  
also in small package assortments  
for re-sale.

Items below ordered in less than quantity  
quoted will be billed at a higher rate.

**ACME GARDEN GUARD.** 1% Rotenone put up in 1-lb. sifter carton. Doz., \$2.58; carton of 24 for \$5.00; retails at 35c pkg.

**ANT KILLER.** Master 1/2-oz. bottles, doz., 75c; 2 oz. doz., \$2.00; 4 oz. doz., \$4.00.

**ANTROL READY FILLED SETS.** Consisting of four patented glass feeders. Per doz. sets, \$3.20. Retails at 40c set. Packed in a strong display carton.

**ANTROL SETS** for exterminating ants in lawn, garden, and flower beds. Containing 4 jars and 4-oz. bottle antrol syrup. Per doz. sets, \$4.80. Retails at 60c set.

**ANTROL SYRUP REFILLS.** 2 oz. bottles, doz., 80c; 4 oz. bottles, doz., \$1.60; pints, doz., \$4.00; gals., six for \$11.00.

**APHIS SPRAY.** A combination of Black Leaf 40 and Fish Oil Soap. Per doz. 3-oz. tubes, \$2.70. Retails at 35c per tube.

**BLACK LEAF 40.** Oz. bottles, doz., \$2.67; carton of 24, \$5.30; 5-oz. bottles, doz., \$8.00; 1 lb., \$2.00 ea.; 2 lb., \$3.00 ea.; 5 lbs., \$5.75 ea.; 10 lbs., \$9.75 ea.

**BUGGUN.** Rotenone dust in blower type package. Doz., \$2.80. Retails at 35c.

**DAW-GONE.** Protects evergreens from dogs. Per doz. tubes, \$2.00.

**MULTICIDE or New Evergreen.** Killing power multiplied kills more insects, made especially for commercial growers, makes one spraying do the work of several. Gal., \$10.35; 5-gals., \$47.00; 10 gals., \$91.00.

**EVERGREEN SPRAY.** A non-poisonous contact insecticide. Oz. bottle, 35c; per doz., \$2.70; per carton of 24 bottles, \$5.40; 6-oz. bottle, 85c; doz., \$8.00; gal., \$9.90.

**NICOTINE PYROX.** 17-6-oz. jars, doz., \$4.20; carton of 24, \$7.84; 5 lbs., \$1.50; case of 12, \$14.00; 25-lb. drum, \$5.65; 50-lb. drum, \$9.25.

**PYROTE.** A spray consisting of rotenone and pyrethrum. 1-oz. bottles, 12 in a display carton, \$2.75; 5-oz. doz., \$8.00; pints, doz., \$16.00.

**PYROX.** Combination insecticide and fungicide. 25 lbs., \$5.00; 100 lbs., \$12.50.

**RATKISSES.** Put up on easel card holding 12 25c pkgs., containing 12 ratkisses each. Price, per card, \$2.00; six or more cards at \$1.80 per card.

**RED ARROW.** A combined Rotenone and Pyrethrum spray. Assortment for re-sale. Per carton of 24-oz. bottles and 2 1/2-pint bottles. Price, \$5.40. Retails for \$10.40. 1/2 pt., doz., \$8.00; pt., \$2.50; qt., \$3.60; gal., \$10.70; case of 6 1-gal. cans at \$10.35 gal.

**SPECIAL RED ARROW.** A new concentrated insecticide for controlling leaf rollers and leaf tyers especially. Gal., \$11.35; 5 gals., \$51.75.

**ROTECID.** Standard rotenone spray. Oz. bottles, doz., \$2.50. Per pint, \$1.75; qt., \$3.00; gal., \$8.00; 5 gals., \$35.00; 15 gals., \$95.00.

**ROTENONE DUST 34%.** For control of Mexican bean beetle use this dust at rate of 15 or 25 lbs. per acre, depending on the density of the foliage for spraying. 1 lb. to 10 gals. of water. 6-4-lb. bags, 9c lb.; 25-lb. bags at 8 1/2c lb.; 50-lb. bags at 8c lb.

**SLUG SHOT, Hammond's.** An insecticide for destroying chewing insects. Doz. 1-lb. pkgs. for \$1.80; 5-lb. pkgs., 12 for \$7.20; 125-lb. keg, \$12.50; 250 lbs. in bulk, \$24.00.

**TREE TANGLEFOOT.** 6 oz., case of 24 cans, \$5.60; 1-lb. cans, per doz., \$5.80; per case of 24, \$11.20; 5-lb. can, \$2.45; case of 6, \$13.20; 10 lbs., \$4.50 each; case of 4 cans, \$16.80; 25 lbs., \$9.50 each.

**WETTABLE DUSTING SULPHUR.** Put up in attractive 2-lb. cans, which retail at 25c each. Price per doz., \$2.00.

**NICO FUME PRESSURE FUMIGATOR.** Put up in 1/2 lb. and 1 lb. cans, powder is now burned under pressure giving better control of insects. The cans have a sparkler for lighting the powder. 1/2 lb. cans, 45c; six for \$2.40. Doz., \$4.20; 1 lb. cans, 75c; six for \$3.75; doz., \$7.00. Orders for 36 1 lb. cans or 60 1/2 lb. cans prepaid by freight in United States and many parts of Canada. Also on a combined shipment of both sizes in full case lots weighing a total of not less than 50 lbs.

**NICO-FUME POWDER FUMIGATOR.** Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, \$3.35; 10-lb. tin, \$5.85.

**NIKOTEEN.** 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; Doz., \$2.50; 1/2 pt., \$1.00; pt., \$1.75; 3 pts., \$5.00; original case 10 pts.; \$16.00. 40% grade, 4 lbs., \$5.75; 8 lbs., \$10.00.

**NO MOLE.** The modern easy inexpensive way to destroy moles. They cannot resist the pleasing taste. They devour it and are quickly and surely destroyed. 14-oz. box, \$1.10; 28-oz. box, \$2.00; 9-lb. can, \$7.65.

**NU-GREEN.** A remedy for brown patch control in creeping bent lawns. 3 oz., tins each, 35c; doz., \$2.80; carton of 36 tins, \$8.00; 1 lb. tins, each, \$1.45; doz., \$11.75; 5 lbs. each, \$6.25; case of 6 tins, \$28.80. Write for price on larger containers.

**PARIS GREEN.** A poisonous insecticide in powder form; for insects which chew. 1/2 lb., 20c; Doz., \$1.80, per lb., 40c; doz., \$4.50; 5 lbs., \$1.75; 14 lbs., \$4.60.

**PENETROL.** An activator for nicotine spraying solutions. Qt., 75c; gal., \$1.75; 5 gals., \$6.75.

**POMO GREEN.** Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; doz., \$4.00; 5 lbs., \$1.75; 25 lbs., \$8.00.

**POMO GREEN.** With nicotine. 1 lb., 75c; doz., \$6.00; 5 lbs., \$3.00.

**PYRETHRUM POWDER.** Per 1 lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.00; 25 lbs., \$12.25. Write for price on larger quantities.

**RED-O-LEN.** Bench powder. 10 lbs., \$3.00; 25 lbs., \$6.00; 100 lbs., \$21.00.

**RESPIRATORS.** For mild fumigating and dusting. Each \$1.75; 3 for \$4.95.

**ROTOGREEN.** Energized. Very effective for Thrip, Mite, Red Spider and Mealy Bug, in addition to the more easily controlled pests, does not burn and leaves no poisonous residue. Pint, \$1.75; qt., \$3.00; gal., \$10.00; 5 gals., \$45.00.

**SELOCIDE.** Kills red spiders. Gal., \$3.00; 5 gals., \$13.50; 10 gals., \$24.50; 30 gals., \$58.50; 50 gals., \$86.50.

**SEMESAN.** The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; Doz., \$2.80; 1 lb., \$2.25; 5 lbs., \$10.00; 25 lbs., \$46.00; 100 lbs., \$175.00. Write for leaflets, stating for what purpose desired.

Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

**SNAROL.** New with metaldihyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1 1/2 lb., 35c; doz., \$2.80; 4 lbs., 85c; doz., \$6.80; 15 lbs., \$3.00; doz., \$24.00; 50 lbs., \$7.00.

**SULPHUR FOR SPRAYING.** Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Price, 4 lbs., 50c; 100 lbs., \$8.00.

**SULROTE.** A combination dust sulphur and rotenone. 1 lb., canisters (24 per case), per doz., \$3.20.

**TARTAR EMETIC.** A spray for the control of Thrip, a life saver for gladioli growers. Price, 1 lb., 75c; 5 lbs., \$3.25; 25 lbs., \$14.50; 100 lbs., \$54.00.

**THRIP JUICE NO. 2.** Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., \$1.25; gal., \$4.80.

**TOBACCO DUST.** (Regular Grade.) 10 lbs., 60c; 25 lbs., \$1.00; 100 lbs., \$2.95.

**TOBACCO STEMS.** 100 lbs., \$2.25; 500 lbs., \$9.50; 1,000 lbs., \$18.00.

**TRI-GEN.** Fungicide insecticide and plant stimulant. A small kit makes 10 qts., \$1.50. B, medium kit makes 64 qts., \$4.00. C, large kit makes 32 gallons, \$6.00. D, estate kit makes 128 gallons, \$20.00.

**VERMINE.** For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. 1/2 pt., 40c; pt., 75c; qt., \$1.10; gal., \$3.00.

**VOLCK.** The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. Qt., 75c; gal., \$2.00; 5 gals., \$6.25; 14 gal. drum \$14.00; 28 gal. drum \$25.00; 54 gal. drum, \$45.00.

**WILSON'S O. K. PLANT SPRAY.** Price, qt., \$1.00; gal., \$3.00; 5 gals. for \$12.00.

# **Freesias CALIFORNIA GROWN**

Thousands of **FLORISTS** are going to accept this solution of the problem which the **TULIP SHORTAGE** has presented. You know they will force. You know their flowers can be used in many ways.

Reports from those growers who planted a good supply of these bulbs at low prices have made good profits and are again booking their orders early in quantity.

Our Freesias bulbs are grown by specialists who know how to handle the stock from the time of planting until they are packed and shipped. Why take a chance of buying from such dealers that buy from growers who grow for "cut flowers" and do not give their bulbs the best of care in digging, curing and shipping.

## **Vaughan's New Introductions** **KNIPE'S YELLOW**

A yellow freesia of unusual sturdy growth, tall straight stems. Flowers large and wide open. Great lasting qualities. Very prolific producer with several laterals, making it a valuable cut flower.

### **KOKOMO**

A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market.

Prices for Both Varieties. (Limited Stocks Only).

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8.....	\$2.00	\$15.00	3/4 inch and up..	\$3.50	\$30.00
5/8 to 3/4.....	2.50	20.00			

### **WHITE CHIEF (Early Giant White)**

Brings 3 to 4 times the price of Purity on the Flower Markets. Stems average 18 to 30 inches long; single flowers 2 1/2 inches long. Can be had in bloom first week in January. Forty-five to forty-eight degrees night temperature would bring out the good qualities to perfection. At the prices at which we offer this variety a grower should buy in quantity this year.

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8 in.....	\$ 1.00	\$ 7.00	3/4 in. and up. . .	\$2.15	\$16.50
5/8 to 3/4 in.....	12.75	12.00			

### **PURITY—TRUE STRAIN**

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8 in.....		\$1.00	\$ 6.50		
5/8 to 3/4 in.....		1.65	11.50		
3/4 in. and up.....		2.10	16.00		

Write for prices on large quantities.

### **ELDER'S GIANT WHITE (Patented)**

Much demand for the flowers on all markets because of the size and strong stems. Per 100 Per 1,000  
1/2 to 5/8 in..... \$1.50 \$10.00 | 3/4 in. and up..... \$4.00 \$35.00  
5/8 to 3/4 in..... 2.30 17.50

### **GOLDEN DAFFODIL**

The yellow you must have with your planting of the White varieties. Color, clear, light yellow and orange blotch. Large flowers on strong, stiff stem. Per 100 Per 1,000  
1/2 to 5/8 in..... \$1.00 \$ 6.50 | 3/4 in. and up... \$2.00 \$16.00  
5/8 to 3/4 in..... 1.60 11.50

### **APOTHEOSE**

New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall, rigid stems, extra. Per 100 Per 1,000  
1/2 to 5/8 in..... \$1.30 \$8.00 | 5/8 to 3/4 in..... \$1.75 \$12.00

### **IMPROVED CAROL**

A new "distinctly different" variety, this Freesia has large open burnt-orange colored flowers. An exceptionally long heavy stem adds dignity and grace to the Improved Carol. This variety proved to be one of the greatest attractions in the field during the flowering season when thousands of visitors came from miles around to see our Freesias. Per 100 Per 1,000  
1/2 to 5/8 in..... \$3.00 \$25.00 | 5/8 to 3/4 in..... \$3.50 \$30.00

### **MISS BLANCHE BLUE (Patented)**

Deep blue, large, open flowers; tall, strong stems; long lateral stems making possible even third and fourth cuts; tall, deep-green leaves; a sturdy grower and easy forcer. Per 100 Per 1,000  
1/2 to 5/8 in..... \$1.50 \$10.00  
5/8 to 3/4 in..... 2.30 17.50

## **MARIE LOUISE VIOLET**

This variety is an unusually strong grower, with sturdy stems well above foliage and long laterals—The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive. Per 100 Per 1000  
1/2 to 5/8..... \$2.10 \$16.00 | 5/8 to 3/4..... \$2.40 \$19.00

## **MRS. MARC PETERS**

A very attractive deep rosy salmon with lower petals blotched orange with yellow. Flowers are of good size and open up well. This variety is one of the earliest to bloom, giving it a special market value.

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8 in.....	\$1.75	\$12.00	3/4 in. and up.....	\$2.50	\$20.00
5/8 to 3/4 in.....	2.00	15.00			

## **MIA MARVIN**

A gigantic canary yellow with a heavy blotch of deep orange on the lower lip, which is very attractive. The spray is of great size on long, wiry stems. Without a doubt the finest yellow to date.

1/2 to 5/8 in..... Per 100, \$2.90; Per 1,000, \$24.00

## **ROSY MORN**

The color is a rosy-pink suffused with golden yellow at the base of each petal. Early bloomer. Stem is strong and wiry. The leaves upright and the blossom is of the open, round petal type.

1/2 to 5/8 in..... Per 100, \$1.50; Per 1,000, \$10.00  
5/8 to 3/4 in..... Per 100, \$2.30; Per 1,000, \$17.50

## **RED RIDINGHOOD (Patented)**

A new and distinct color in Freesias; blood red, cadmium yellow throat with lines of blood red. Under average greenhouse conditions it will grow to a height of 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals, which lengthens the season considerably. Good for Valentine's Day. Per 100 Per 1,000

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8 inch.....		\$2.90	\$24.00		
5/8 to 3/4 inch.....		3.40	29.00		
3/4 inch and up.....		3.90	34.00		

## **SUNSET**

An entirely new color in Freesias being a flame orange, reminding you of the glorious sunsets of California. This variety was the greatest attraction in the field during the flowering season.

	Per 100	Per 1,000		Per 100	Per 1,000
1/2 to 5/8 in.....	\$1.30	\$ 8.00	3/4 in. and up.....	\$2.40	\$19.00
5/8 to 3/4 in.....	1.80	13.00			

## **RAINBOW MIXED**

	Per 100	1000
1/2-5/8 inches.....	\$ 1.60	\$11.00
5/8-3/4 inches.....	2.00	15.00

## **White Calla**

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice **premature cutting off the tops**, expose bulbs to the sun, in order to make early shipment.

Our stock is **thoroughly cured in the ground and dried thoroughly** before they are packed. This means **later delivery** but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	Per 1,000
1 1/4-1 1/2 inches.....	\$ 5.50	\$ 47.50
1 1/2-1 3/4 inches.....	10.00	90.00
1 3/4 inches and up.....	14.50	135.00

## **Yellow Callas**

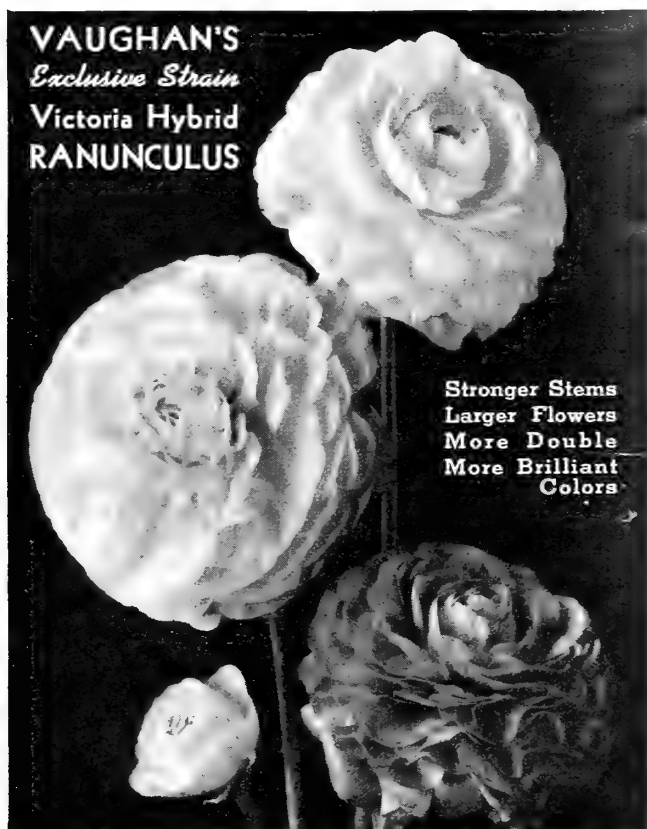
(Elliotiana)

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

	Doz.	Per 100	Per 1,000
2-2 1/2 inch.....	\$1.35	\$ 9.50	\$ 90.00
2 1/2-3 inch.....	2.00	15.00	140.00
3-3 1/2 inch and up.....	3.00	22.00	200.00

# Bulbs for Mid-Summer and Early Fall

## VAUGHAN'S Exclusive Strain Victoria Hybrid RANUNCULUS



**Stronger Stems  
Larger Flowers  
More Double  
More Brilliant  
Colors**

## Anemones

One of the most showy flowers, good for cut flowers. They thrive in any soil except a very heavy clay. Set 10 inches apart, about ½ inch deep. Sunny location, plenty of moisture. **Special Mixed**, number one bulbs, per 100, \$2.00; per 1,000, \$17.50.

**Anemone St. Brigid Irish Champions.** The largest flowered strain of Anemones ever offered in the United States. Large, brilliant flowers in a wide variety of colors, over 90% full double. Number one bulbs, per 100, \$2.75; per 1,000, \$22.50.

## Dutch Iris

	6-7 ctns. Per 1,000	7-8 ctns. Per 1,000	8-9 ctns. Per 1,000
<b>A. Bloemaard.</b> Standards dark purplish blue, falls lighter blue, very large flower, early.....	\$ 9.00	\$18.00	\$29.50
<b>D. Haring.</b> Early flowering. Standards greyish white, falls pure white, very large flower.....	16.00	27.00	37.50
<b>Early Snow.</b> Tall early white.....	20.00	30.00	40.00
<b>Imperator (Filifolia).</b> Deep blue. Good seller, one of the best of greenhouse growing.....	10.00	18.00	28.50
<b>J. W. De Wilde.</b> Uniform dark yellow, a novelty.....	20.00	32.00	.....
<b>Poggenbeek.</b> Uniform dark blue. An extra good variety.....	10.00	18.00	29.50
<b>Yellow Queen.</b> Standards pale yellow, falls golden yellow. Thin wiry stems, excellent for forcing or outside, the best medium priced yellow.....	20.00	30.00	.....

**Tingitana Wedgewood.** A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. Can be brought into flower in January, as it is the earliest of Iris. A great cut flower that has commanded enormous prices during the past few years. Light blue in color, 8-9 ctns., per 100, \$2.10; per 1,000, \$16.00; 9-10 ctns., per 100, \$3.30; per 1,000, \$28.50; 10 ctns. and up, per 100, \$5.00; per 1,000, \$42.00.

## RANUNCULUS

With available flowers for early spring sharply reduced by the effects of war, the problem of every greenhouse owner is: What shall I plant in the benches usually devoted to material shut off by war?

Ranunculus offer an immediate answer to this problem. No other flowers available to the florist can produce such a riot of color. They make an immediate hit with the public, as every flower show proves. Market records show that supplies in the past have sold out quickly at good prices, and next spring they will have far less competition.

The important thing is to grow a good strain, and Vaughan's exclusive Victoria Hybrids have no rivals in abundant bloom, percentage of doubles, strong stems, and size of flowers. The color range embraces pink, yellow, orange, brilliant scarlet, vivid apricot and innumerable tints of these colors.

Culture is simple, and full directions will be supplied on request.

	100	1,000
<b>Victoria Hybrids Mixed Tops</b> .....	\$3.00	\$24.00
<b>Mixed First Size</b> .....	2.00	18.00
<b>Orange</b> .....	3.00	22.50
<b>Pink</b> .....	3.00	22.50
<b>Red</b> .....	3.00	22.50
<b>Yellow</b> .....	3.00	22.50

WRITE FOR QUANTITY PRICES

## Colchicum

Ready in August

Curious for their habit of blooming without soil. Fall blooming, excellent for retail sales. Per 100 1,000

<b>Colchicum Autumnale Major.</b> Light blue...	\$15.00	\$140.00
<b>Speciosum.</b> Deep blue.....	20.00	190.00

## LILIES

Are Always in Demand, Plant Some Every Two Weeks

	Per case
<b>Lilium Giganteum</b> , 7-9 inch, 300 to case.....	\$22.50
<b>Lilium Tigrinum Splenden</b> , 8-9 inch, 250 to case.....	16.00
<b>Lilium Tigrinum Flora Plena</b> , 7-9 inch, 300 to case.....	16.00

## American-Grown Hardy Narcissi

Northwest-Grown Bulbs from which no Flowers have been cut.

	Double Nose No. 1.	Double Nose No. 2.
<b>Emperor.</b> Primrose perianth; deep yellow trumpet... \$	6.00	\$55.00
<b>Glory of Sassenheim.</b> Enlarged Victoria bi-color..	6.00	55.00
<b>Golden Spur.</b> Golden yellow; early; fine forcer....	5.50	50.00
<b>King Alfred.</b> Golden yellow; very large frilled flowers	7.50	69.00
<b>King Alfred.</b> Special. D. N. No. 2.....	6.00	56.00
<b>Laurens Koster.</b> Poetaz. Pure white perianth, orange-yellow cup.....	5.50	50.00
<b>Minister Talma.</b> Large golden yellow, yellow trumpet.....	6.75	62.50
<b>Poeticus Ornatus.</b> White and yellow.....	4.75	42.00
<b>Sir Watkins.</b> Incomparable sulphur petals, deep yellow cup.....	5.50	50.00
<b>Spring Glory.</b> Early. White petals, long chrome-yellow trumpet.....	6.00	55.00
<b>Tresserve.</b> Large yellow trumpet; yellow perianth...	6.75	63.00

## Narcissus Paper White Grandiflora

From our own imported planting stocks. Inspected by our bulb man in the field and at harvesting time.

	Per 100	Per 1,000
<b>Paper Whites.</b> Write for Prices on 5 or More Cases.	100	1,000
<b>12 ctns.</b> Buy these to compete with chain store	\$1.70	\$12.00
<b>13-14 ctns.</b> .....	2.15	16.50
<b>14-15 ctns.</b> .....	2.70	22.00
<b>15-16 ctns.</b> .....	3.10	26.00
<b>Grand Soliel d'Or</b> , yellow Paper White.....		
<b>14-15 ctns.</b> .....	4.60	41.00
<b>15-16 ctns.</b> .....	5.50	50.00
<b>16-18 ctns.</b> .....	6.50	60.00





**47-49 Barclay Street, NEW YORK**

NAME \_\_\_\_\_ Date \_\_\_\_\_ 19\_\_\_\_  
Write very plainly

Post Office \_\_\_\_\_ State \_\_\_\_\_

Street, P. O. Box  
or Rural Delivery .....

Express or Freight Office { If different from P. O. } ..... Forward Goods by ..... (Parcel Post, Express, Freight or Truck)

(SEND NO CASH OR  
CURRENCY UNLESS  
REGISTERED)

**Make Money Orders or Checks  
Payable to Vaughan's Seed Store**

**Money Order**     \$ .....  
**Draft or Check** \$ .....  
**Postage Stamps** \$ .....  
**Cash - - -**     \$ .....

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

**More order blanks will be sent upon request. Always write letters on a separate sheet from your order.**

Vaughan's Seed Store, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

 In making your order, please give the sizes and prices to avoid delay and errors.

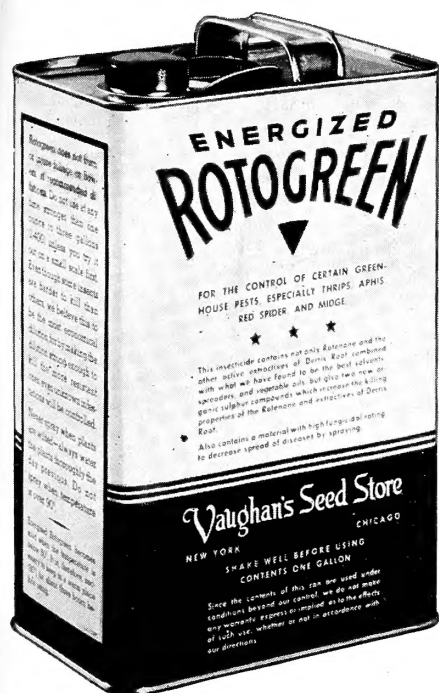
Carried Forward,

lbs.

2

(OVER)

# Use Energized Rotogreen for MAXIMUM KILL, Without Harm to Plants



Most Highly Perfected Insecticide for Aphids,  
Cyclamen Mite, Chrysanthemum Midge,  
Red Spider, White Fly, Thrips.

**O**UR new formula contains three new factors giving increased kill of insects and eggs, and added repellent qualities.

It is not an experiment, but the result of thousands of experiments under actual greenhouse conditions. It corrects all the faults of which greenhouse men have complained in other sprays.

We recommend **ENERGIZED ROTOGREEN** for the successful control of Aphids, Cyclamen Mite, Chrysanthemum Midge, Red Spiders, White Fly, and Thrips. It does not injure delicate plants because it contains only mild vegetable oils.

Contains two new organic sulphurs (phenthioxin and dibenzyl disulphide) that increase the killing power of derris, and have good egg killing and repellent qualities. Contains thymol which helps inhibit the germination of fungi spores spread while spraying.

Contains a new ingredient which when combined with derris extract greatly increases kill. Spreader is mannitan monolaurate, made from cocoanut fats, not a soap, therefore works well in the hardest water. Tested and rigidly controlled materials, 100% organic are used in its manufacture. Tested regularly in actual greenhouse spray tests.

1 pint, \$1.75; 1 quart, \$3.00; 1 gallon, \$10.00; 5 gallons, \$45.00; 30 gallons, \$225.00

## A Beautiful, Practical, Paper White Display



Vaughan's Paper White Display Box as Illustrated,  
together with

100 Cellophane Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	\$ 7.00
100 Cellophane Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	8.50
100 Cellophane Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	10.50

**E**VERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs.

Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in a cellophane bag which permits complete inspection, but prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides \$14 to \$21 sales at 100% profit. Why let chain stores get sales which should be yours?

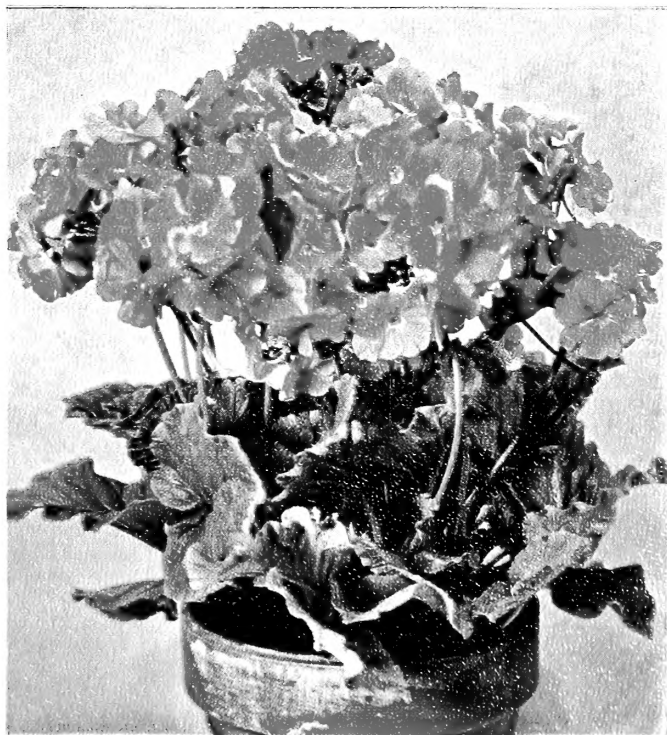
Paper White Display Box, 10x20 inches, holding 100 Cellophane Bags



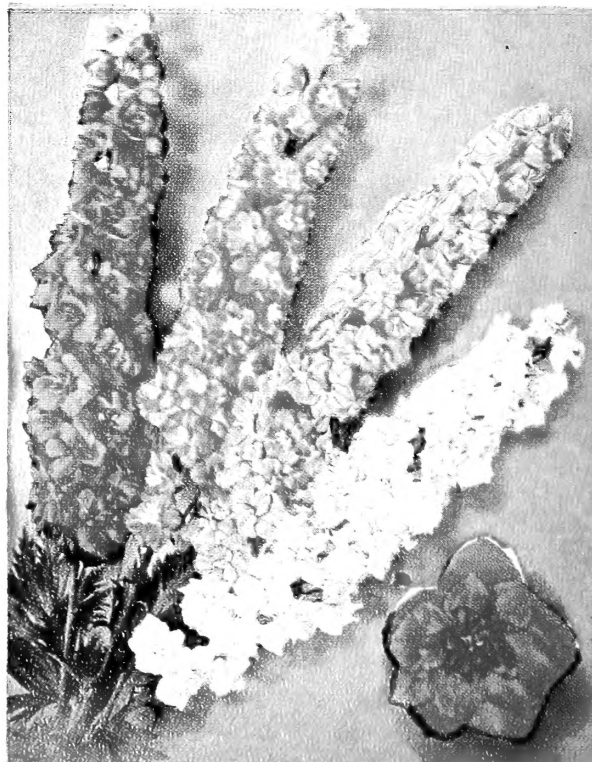
**PANSY.** Vaughan's Long Stemmed Winter-Flowering Mixed  
Reselected in Our Greenhouses. Trade Pkt., \$1.00;  
 $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.65.



**CINERARIA** Cremer's Prize Mixture. Reselected.  
Trade Pkt., \$1.50;  $\frac{1}{32}$  oz., \$4.00;  $\frac{1}{16}$  oz., \$7.50;  $\frac{1}{8}$  oz. \$14.00.



**PRIMULA** Obconica Grandiflora Fassbender Red.  
Trade Pkt., \$1.00;  $\frac{1}{64}$  oz., \$2.50;  $\frac{1}{32}$  oz., \$4.80.



**DELPHINIUM**, Pacific Giant. Mixed. Trade Pkt., \$1.00;  
 $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.50; oz., \$12.00.

CHICAGO  
601 West Jackson Blvd.

# Vaughan's Seed Store

NEW YORK  
47-49 Barclay Street